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## Practical-1

**Design and print a Title Page of a Magazine/Book. (Using canva tool)**

### 1. Launch Canva

Open up Canva and search for Magazine Cover to start design in your next edition's cover.

### 2. Find the right template

Find templates for every magazine cover theme you can imagine, including food, teen, travel, fashion, sports, weddings and more. Filter your search by style, the me and more then start customizing.

### 3. Customize your design

Make sure your magazine cover truly reflects your contents tweaking everything from text boxes to color combinations and typography. It's so easy; all it takes is a few clicks!

### 4. Experiment with more features and elements

Take advantage of our massive media library filled with millions of free and premium stock images ,illustrations and vectors .Plus use our editing tools to adjust your photo, add filters, crop or resize as needed.

### 5. Download and Publish

Download and save your magazine cover as a PNG, JPG or PDF file.



## Practical-2

### **How to design a business card**

Business cards also communicate a sense of security to the recipient, showing that you are part of an established business that is ready and willing to work together. Business cards alongside designed email signatures, letter heads, branded envelopes all help to create a consistent brand experience for customers or partners of your business or brand.

While there are online platforms that can serve as an online business card of sorts, the art of designing and giving a potential client or employer a business card after a successful meeting is still relevant today.

### **Why business cards are important**

Humans have unreliable memories. Having a business card is extremely useful to prompt your customers, especially at those times when they need you most. Designing your own business card goes beyond just name and title. It's a device loaded with visual clues so you'll be remembered long after the initial encounter.

### **Business cards are a great way to introduce yourself**

If you know a person or company you'd like to reach out to, business cards are a great ice breaker. They can be handed out in person or accompanied by a note sent in the mail. A business card makes you look professional and provides all the information recipients need to find out more about you.

### **Business cards communicate who you are and what you do**

It's difficult to keep track of job titles, particularly in meetings where you encounter multiple new faces. Presenting a business card makes it easy for people to understand what you do, and to attach your all-important name to the service.

### **Business cards keep you front of mind**

Business cards tend to remain on desks, in wallets, or stored in places where they might one day be used. And that's great news for the moment when people need you.

So here are three things to consider when designing your business card:

#### **1. Think about how it's going to look**

First impression count. The same way you dress up for an interview, your business card should dress up too. It's not just about the design either. Think about the words, the weight, and the feel.

#### **2. Consider the goals you want your business card to achieve**

Your business card is a reflection of you. Consider the role your card plays, and what you would like it to convey to customers. What makes you the right person for the job? What you offer that no one else can? If your service is quite common, how can you make it compelling in a visual way?

#### **3. Make sure it's easy to read**

Well-designed cards are kept. When you take the time to craft a beautiful card, people will respond by hanging on to it. Unappealing designs tend to be discarded but if it's pleasant to look at, it will remain and eventually be utilized. And ultimately, that's the goal.

### **Business card design inspiration**

Before you get started, get inspired with the following business card designs:

*Color grabs attention and you can adjust designs by selecting colors that best suit your business.*

While there are online platforms that can serve as an online business card of sorts, the art of designing and giving a potential client or employer a business card after a successful meeting is still relevant today.

Use this template

How to design a business card

With so many design styles, it can be difficult to know where to start. Your business card should feel like an extension of your existing brand, so the design should be based on your logo, signage, or letterhead. If your business card is the starting point for your brand, consider how the same design will extend to all your other touch points.

### What to add to your business card

When first starting to create your business card, you have to assess what elements you're going to include. However, there are a few non-negotiable that you should consider:

- **Your name** It's important that your name is clearly visible and that it uses an easy-to-read font.
- **Your company.** You want the recipient of your business card to associate your name with the business you own or work for.

**Your current title:** - It's important for the cardholder to easily link how you can help them. Whether you're a CEO or a marketing manager, it's helpful to provide as much context about yourself as possible.

- **Contact information.** Another essential piece of information to provide is your contact information. Whether it's your best contact number, email address, or both.

Other items you can add to your business card include:

- **Your company logo.** Many people opt to add their company logo to their business card as a visual replacement for the company's name on the card. This adds a sleek visual element to the business card and breaks up the text elements.
- **Relevant social handles.** For many in creative industries, social media serves as an indicator of popularity, authority, and success. For a polished look, you can simply add the social media icon with the social handle underneath. This can even be added to the back of your business card.

### Seven business card design on side rations

Here are seven design considerations to take into account:

- **Shape.** Horizontal cards are the most common, but if you're looking to stand out from your competitors, you could choose portrait format. [Curved corners](#) are an option, as well as imprints or die cuts. A completely different shape (say a circle) will result in additional costs so weigh-up whether it's worth it.
- **Size.** We recommended using the [standard business card dimensions](#)(varying from county to country) so your card can be easily stored in wallets and business cardholders. Of course, if its impact you're after, the sky is the limit but do consider how the recipient of the card will retain it. Too small and it may get lost, too big and it could be a burden.
- **Design.** It's tempting to [choose designs](#) simply because you like them but it can be confusing for people who receive your card. A bright, colored design may not be representative of someone who works in the finance sector, just as a subdued, basic design is not a great introduction to an artist's work. Think about colors or designs that represent your industry so it helps people understand what you do.

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3. Web Developer
4. Computer security
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6. Banking Sector
7. Project manager
8. Business Analyst  
and many more.

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- **Logo.** A [logo](#) isn't mandatory but it is a great way for customers to quickly and easily identify your brand, especially when it reoccurs across all your brand communication. If you feel your business card could use one, here's how you can design your own.
- **Text.** There are a few things every business card should feature, and in a particular order: Company name is followed by your first and last name, job title, and your contact details (phone number, email, web address, social handles). Any more information and the card can become cluttered so stick to the basics.
- **Typography.** When it comes to your details, legibility is key. It defeats the purpose if customers can't read what's on your card. Fancy cursive typography may look lovely but recipients may struggle, for example, figuring if it's the letter 's' or the number '5'. Use fonts that are easy to read.
- **Texture.** Never underestimate how a business card feels. If it's too thin and flimsy, a card can feel cheap so you want to choose a quality paper stock. Also, consider what finish your card should have. A high-gloss finish results in a shiny look and feel, a matte finish has a slight sheen and is softer, while an uncoated finish uses the paper's natural texture.

### How to print your business card



#### Before you print

- Ensure all type is 5mm from the edge so it won't get chopped off when the cards are cut
- Borders can highlight trim errors, so it's something to beware of
- Ensure all words are large enough to read (legibility) and there are no mistakes
- Get a second (or third) pair of eyes on it to pick up errors or to get design feedback.

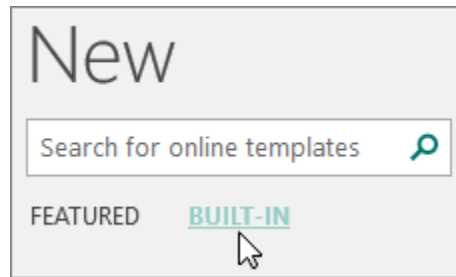
### Practical-3

- Prepare is multiple designs for a Flex by using different Tools
- Create and print a banner, poster, or other large publication in Publisher

When you create a publication, for example, **Banners**, and select a size larger than 8.5- by-11 inches in **Page Setup**, Publisher prints a publication that is larger than a single sheet of paper. In Publisher, you can print publications as large as 240 by 240 inches.

#### Create a banner

1. Click **File>New** and choose **Built-in** to use one of the templates installed in Publisher.
2. Select the **Banners** category, and then click the banner design that you want—for example, **Baby Congratulations**.
3. Under **Customize** and **Options**, select any options you want.



4. Click **File>New** and choose **Built-in** to use one of the templates installed in Publisher.
5. Select the **Banners** category, and then click the banner design that you want—for example, **Baby Congratulations**.
6. Under **Customize** and **Options**, select any options you want.
7. Click **Create**.  
On the **Page Design** tab, do any of the following:
  8. To change a get the wad than height to the banner, click **Size**, then choose the page size, or click **Create new page size**.
  9. To change a get the banner's color scheme, select color scheme in the **Schemes** group.
  10. To change the banner's font scheme, click **Fonts**, then choose a font pair.
  11. In your banner, replace the place holder text and pictures with the text and pictures or other objects that you want.
  12. Click **File>Save As**, then click the location or folder where you want to save the new banner.
  13. In the **File name** box, type a name for your banner.
  14. In the **Save as type** box, click **Publisher Files**.
  15. Click **Save**.

Customize

Color scheme:  
 ▾

Font scheme:  
 ▾

Business information:  
 ▾

Options

Page size:  
 ▾

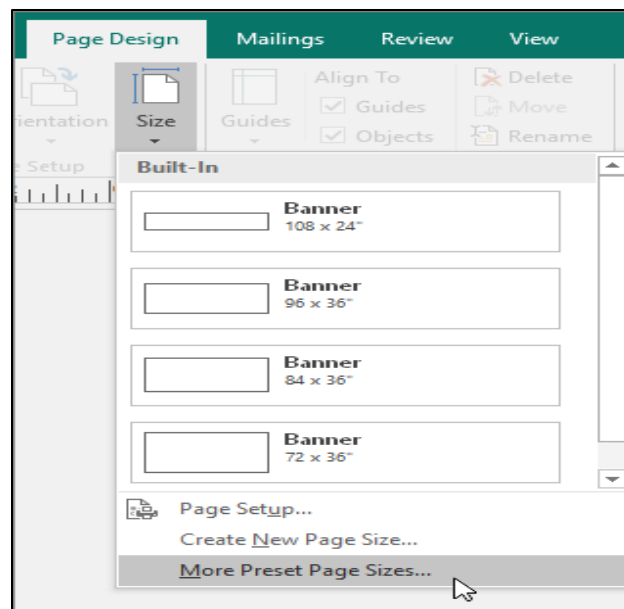
Border:  
 ▾

Graphic:  
 ▾

### Create a poster

To create a poster in Publisher, first create a banner. Then, change the page size of the banner to the poster size you want.

1. On the **Page Design** tab, click **Size>More Preset Page Sizes**.



1. Under **Publication Types**, select **Posters**, then choose the size you want.
2. Click **OK**.
3. On the **Page Design** tab, do any of the following:
  - To change the width and height of the banner, click **Size**, then choose the page size, or click **Create new page size**.
  - To change the banner's color scheme, select color scheme in the **Schemes** group.
  - To change the banner's font scheme, click **Fonts**, then choose a font pair.
4. In your banner, replace the place holder text and pictures with the text and pictures or other objects that you want.

5. Click **File>Save As**, then click the location or folder where you want to save the new banner.
6. In the **File name** box, type a name for your banner.
7. In the **Save as type** box, click **Publisher Files**.
8. Click **Save**.

### Add images to a banner or poster

#### Add pictures

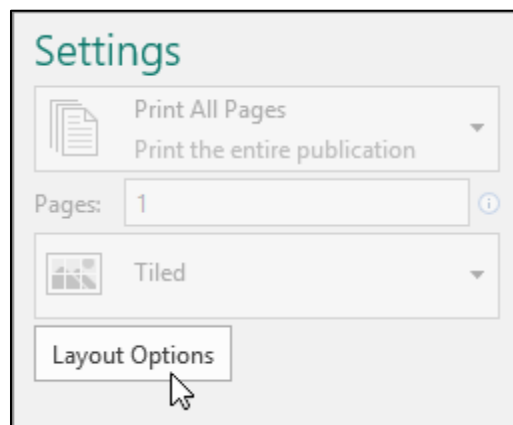
1. On the **Insert** tab in the **Illustrations** group, one of the following:
  - To add a picture from your computer, click **Pictures**, then browse to the picture you want to insert, select it, and then click **Insert**.
  - To add an online picture, click **Online Pictures**, then choose **Bing Image Search**. In the search box, type a word or phrase that describes the image you want, and then click **Insert**.

You can also add pictures from a web page and replace existing pictures.

#### Adjust the overlap

If you are printing a large banner or poster that is made up of many horizontal or vertical pages, you can increase or decrease them argon between the pages so that you can tape the pages together without covering some of the printed area.

1. Click **File>Print**, then click **Layout Options** under **Settings**.



1. In the **Layout Options** dialog box, one of the following:
  - To increase the paper margin that overlaps between the horizontal printed area on a page of the banner, poster, or large publication, change the **Horizontal Overlap** settings.

Two increase the paper margin that over laps between the vertical printed area on a page of the banner, poster, or large publication, change the **Vertical overlap** settings

- To print a single page of the large publication, check the **Print a single tile** box, then select the **Row** and/or **Column** number of the tile you want to print.

2. Click **Close>Print**.

### Print a banner or poster

To print a banner or poster, click **File >Print**. Select your printer and adjust your settings, then click **Print**.

#### A) How to make a banner using Canvas Tool

##### 1. Open Canva

Open up Canvas and search for “Banners” to get started.

## 2. Choose a template

Explore Canva's widerangeofbannertemplatesforvariousneedsindifferentstyles and themes. Click on the template and start designing.

## 3. Customize your banner in mere minutes

Found the right template but want to make a few adjustments? Simple. With a few clicks, you can edit the text, swap out fonts and try out different color combinations for the perfect banner design.

## 4. Get creative with design ingredients

You'll find all the design elements you need to create the perfect banner. Explore images, illustrations, icons, logos, fonts, shapes, lines, graphs, and more. Get creative!

## 5. Download or share

Save your design as a PDF, JPG or PNG file ready to be printed or shared on



## Practical-4

### Prepare NSS certificate for appreciation using logo of university, college or NSS unit using canva.

Design certificates your awardees will be proud to show off give people there cognition they deserve with a professionally-designed certificate from Canva. Whether you're awarding an employee for their loyalty and service or acknowledge in speaker line. Who has imparted their expert is enduring a talk; give them a beautifully designed certificate to remember.

With Canvas's wide selection of templates and easy-to-use drag and drop design tools, you can come up with the certificate you need in minutes, no design experience needed! Add high quality images and illustrations choose from over a hundred fonts and customize colors in a few clicks.

#### How to make a certificate

##### 1. Open Canva

Launch Canva and search for "Certificates" to start making your own certificates.

##### 2. Select a template

Browse different styles and themes of certificate designs for your needs. From certificates of recognition to completion certificates and more, simply select the layout you want and start customizing.

##### 3. Personalize your design

Get your certificates looking exactly how you want it by using our easy drag-and-drop design tools? Change the text, colors, fonts and backgrounds with just a few clicks.

##### 4. Add more design elements

Explore our image and graphics library filled with millions of photos, icons, illustrations and vectors to use on your design. Add more frames and text boxes to your layout.

##### 5. Order your prints

Order high-quality prints of your certificates through Canva Print and enjoy free shipping. Or, save your design as a PDF, JPG or PNG file.



## Practical: - 5

### Create an Envelope

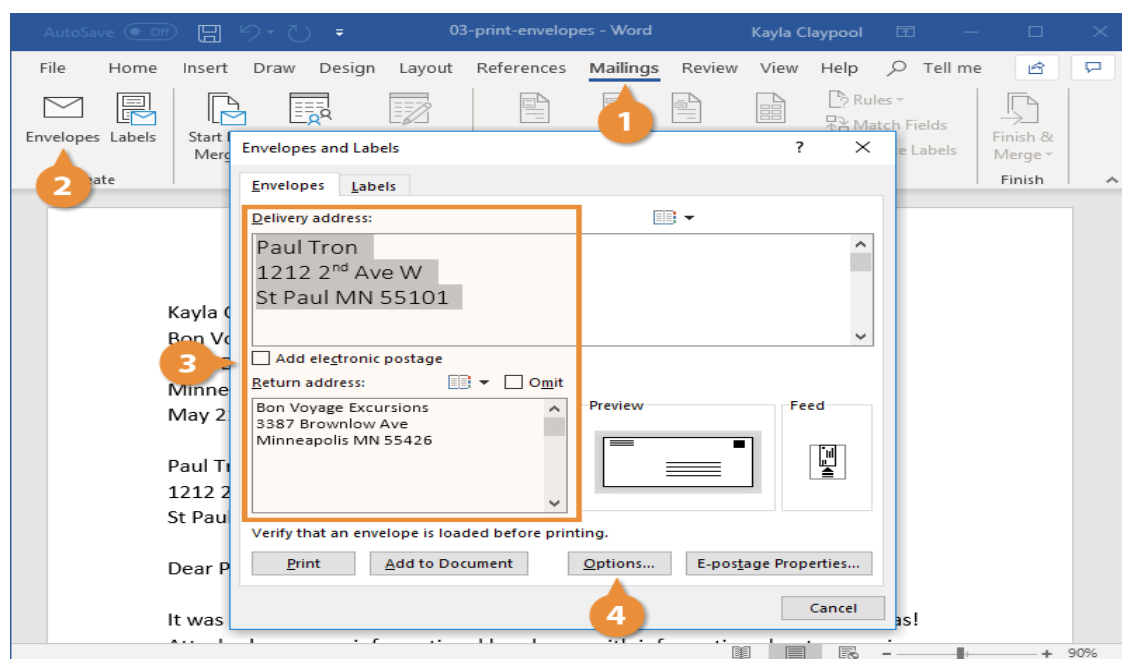
- a. Click the **Mailings** tab.
- b. Click the **Envelopes** button in the Create group.
- c. Enter a **Delivery** and **Return Addresses**.

If you select a delivery address in the document before clicking the Envelopes button, it will be automatically filled in.

Click the **Insert Address** button, select the profile you want to use, and select a contact.

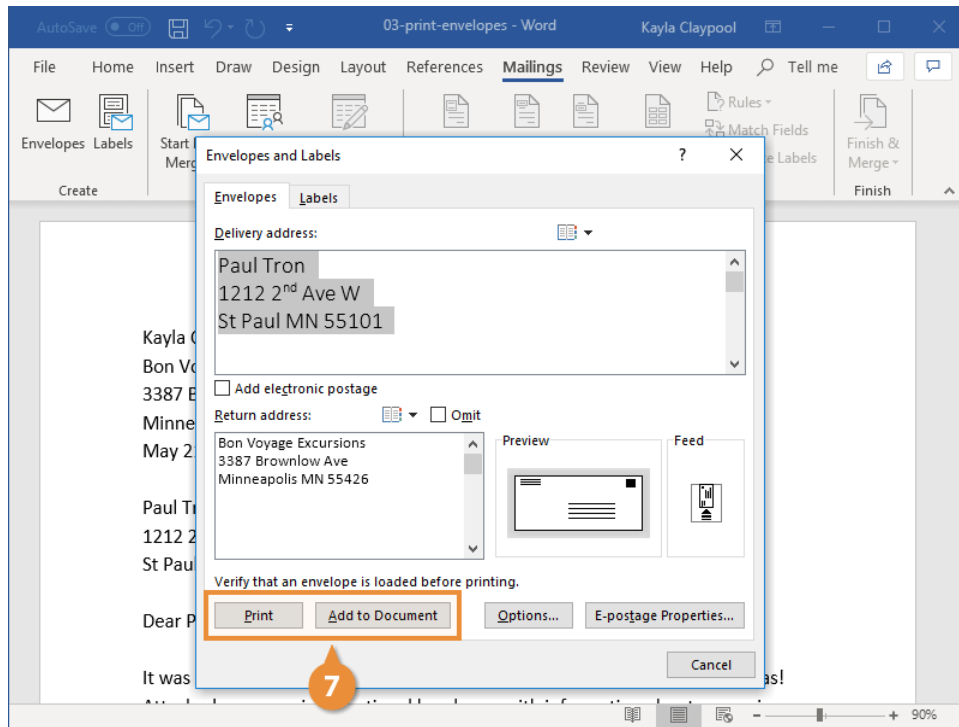
- d. (Optional) Click **Options**

The Envelope Options dialog box opens, with two tabs of options to set up the envelope.



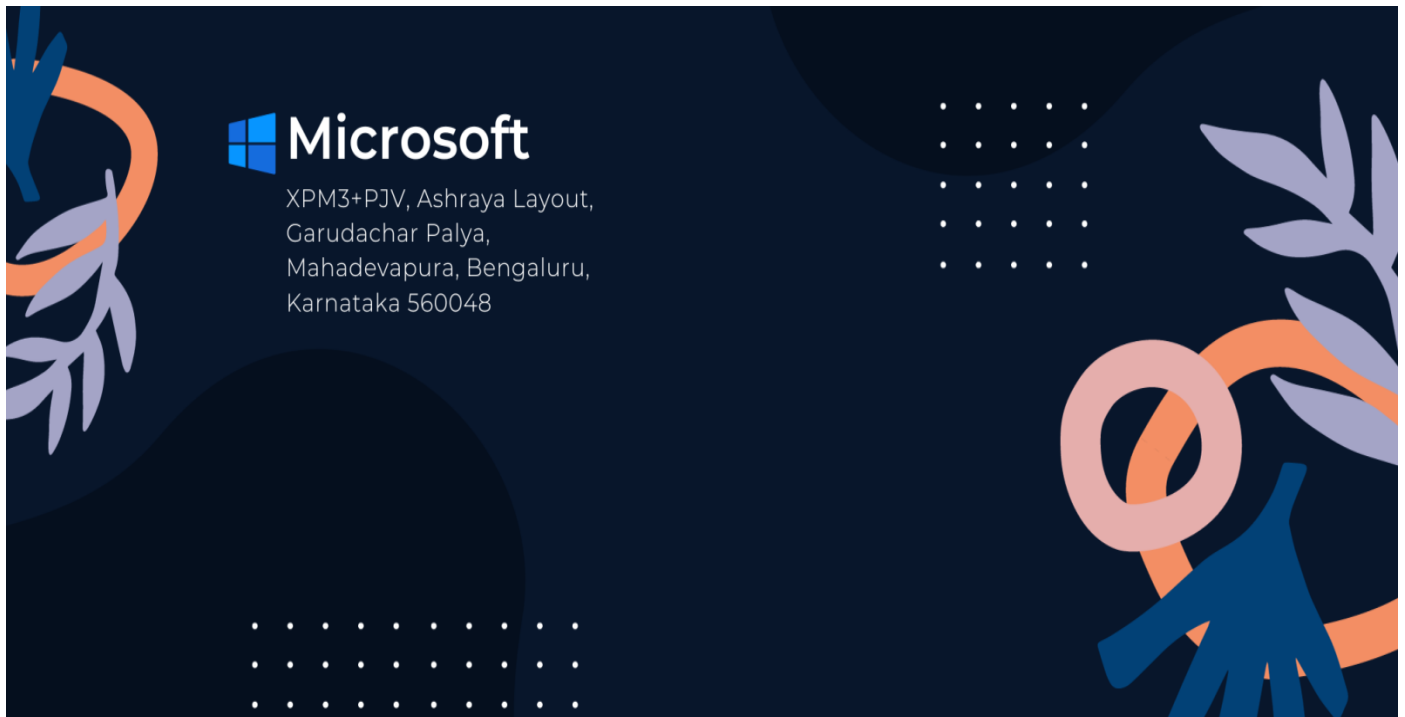
- e. Select your envelope's options.
  - i. **Envelope Options:** Specify then envelope size, customize the font used in the return and delivery addresses, and adjust the location of the addresses on the envelope.
  - ii. **Printing Options:** You can specify how then envelope is to the printer. This setting will vary, depending on the printer you're using.
- f. Click **OK**.  
The envelope options are save.

- g. Click **Print** to print the envelope, or click **Add to Document** to add the envelope as a new page in the current document.



The envelope is sent to the printer or added as it so page to the current document, depending on your action.

## MY ENVELOPE



## Practical: - 6

### Design and print Invoices for three companies How to Make an Invoice from a Word Template

To make an invoice in Word using a pre-existing template, open Microsoft Word, click File, then select New Template. Use the search bar in the top right-hand corner and enter “invoice” to filter the template results. Choose an invoice template that suits your business needs and double click on the selected template to open it. Customize the document and then save the completed invoice to your computer.

#### How to Create an Invoice in Word

To create an invoice in Word from scratch, businesses can follow these invoicing steps:

#### 1. Open a New Blank Document

To start making your own invoice from scratch using Microsoft Word, click File and then choose New Document from the menu. A new blank document will open.

Remember that this option won't give you the same preformatted layout that a Microsoft Word template would offer and you will have to create your entry fields yourself. This can be a more labor intensive process than selecting an invoice template.

#### 2. Create an Invoice Header

Create a header in the document. The invoice header should include your logo, your business contact details and it should clearly identify the document as an invoice.

#### 3. Add the Invoice Date

Next, add the invoice date to the document. List the current date directly below your invoice header.

#### 4. Include a Unique Invoice Number

Add a unique invoice number to the top portion of the document. Invoice numbers are used for reference purposes, both when you're sending an invoice with a client and when you're filing them for your business records. You should decide on a numbering system and stick to it. The easiest way to number invoices is to do it numerically, starting with Invoice# 001, then Invoice #002 and so on.

If you are having trouble keeping your invoices in order, it's a good idea to use an invoice generator. FreshBooks has a range of invoicing software options that can automate this process and keep your payments organized.

#### 5. Include Your Client's Contact Details

Include your client's contact details, including the contact name, address, phone number and email address. Make sure you have the correct contact name listed on your invoice. If your

Client's company has bailing department, you might need to list someone there, instead of your day-to-day contact person.

### 6. Create an Itemized List of Services

Next, create an itemized list of the services you provided. You should include a brief description of each service, the hours worked or quantity provided and the rate charged. Add a subtotal for each service. It's often easiest to create a table to display your services clearly.

### 7. Display the Total Amount Due

Add up all the charges and list any applicable taxes. Then, add the total amount due on the invoice and display the information clearly at the bottom of the document.

### 8. Add the Dead line for Payment

Add a payment due date to the invoice. Be as clear as possible when listing the payment due date. Instead of writing "Payment Due in 30 Days," include the specific date, for example, "Payment Due December 31, 2018."

### 9. Include Your Payment Terms

Add your payment terms to the bottom of the document. Include the payment methods you accept and outline any late fees you'll charge for past due payments.

DA VINCI		INVOICE	
<b>BILLED TO:</b> Sunny Malton +91 8427369246 Shahkot , Near Alto car bazar Jalandhar		Invoice No. 18 Oct 2023	
Item	Quantity	Unit Price	Total
Classic veg chicken	1	348.58	348.58
Dynamite Mayo	1	28.00	28.00
Frappe-cold	2	326.99	326.99
<b>Subtotal</b>			703.57
<b>Tax (0.5%)</b>			704.58
<b>Total</b>			704.58
Thank you!			
<b>PAYMENT INFORMATION</b> Briard Bank Account Name: Samira Hadid Account No.: 123-456-7890 Pay by: 18 Oct 2023		<b>Kartikyea</b> 123 Anywhere St., Any City, ST 12345	

**Practical: - 7**

Prepare and print Newsletter layouts for any five activities in your college/university.

**MISSION**

*Our mission is to build future leaders and this mission is woven into every CT experience.*

*Starting in the classroom with an orientation to new ideas, new scopes of understanding, and new ways of gathering knowledge, students can launch into the journey of intellectual transformation. In a diverse and dynamic learning environment, students learn collaboratively with other students who come from different walks of life, cultures, and backgrounds.*

*Through this intellectual transformation is deepened and essentials for social transformation open up..*

*With the acquisition of intellectual and social transformation, students realize their talents and skill sets, leading them to model their gifts and assets into serving the world better.*




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- Bachelor of Computer Application [BCA] - Full Time
- Bachelor of Computer Application [BCA] (Lateral) - Full Time
- Bachelor of Design [B.Des] (Interior Design) - Full Time
- Bachelor of Hotel Management and Catering Technology [BHMCT] - Full Time
- Bachelor of Laws [LL.B] - Full Time
- Bachelor of Pharmacy [B.Pharm] - Full Time
- Bachelor of Pharmacy [B.Pharm] (Lateral) - Full Time
- Bachelor of Physiotherapy [BPT] - Full Time
- Bachelor of Science [B.Sc] (Hons.) (Agriculture) - Full Time

**PRACTICAL: - 8**

Prepare Invitations Cards for cultural meet held in your college.



**Practical: - 9**

**Design and print Brochures to advertise a “PIZZA SHOP” in your college.**

**GIFT VOUCHER**

**PIZZA HUT**

☎ 1800 202 2022

🌐 [www.pizzahut.co.in](http://www.pizzahut.co.in)

**50%**  
**DISCOUNT**

The graphic features a black and red background. On the left, a vertical red bar contains the text 'GIFT VOUCHER'. Below it, the 'PIZZA HUT' logo is displayed in white. Contact information, including the phone number '1800 202 2022' and the website 'www.pizzahut.co.in', is listed in red. A large '50% DISCOUNT' is shown in white with horizontal lines. On the right, there are three food items: a whole pizza in a white bowl, a burger with fries on a wooden tray, and a dessert on a yellow plate with a lemon slice. A small bowl of red chilies is also visible.

**Practical: - 10**

Design Logos o your college, University and govt. of Punjab also display these logos on black background as water mark.



## Practical: - 11

Design, Print and Publish motivational play cards

### Step One: Create your motivational quotes

To start off, head to [Canva.com](https://www.canva.com). We love Canva here at Super Snaps, because it allows us to create awesome designs that we can then share with the world. Simply login and hit 'Create a design' to get started.

You can choose any recommended design, or use custom dimensions– it's totally up to you!

We're going to print our designs on our Post card Prints so we're going to go with a portrait Design, but if you'd rather use Square, Reel or Polaroid Prints then opt for a square layout. Once you've picked your size, hit 'Design' to get started!



You'll then be taken to Canva's design page where you can really get customizing! Choose from their elements, backgrounds, and add text to create the perfect motivational cards. Here are a few ideas we've created:



### **Step2: Print your positive postcards**

Next comes the super easy part. Just head to our site and choose the product you'd like to print. You'll see your images exactly as they will print on your chosen product on our Creator Page.

We've opted for our Postcard Prints because we want the colour to go all the way up to the edges of the print without any border!

### **Step3: Display your cards**

Once you've got your cards printed you're ready to display them so you can nourish yourself with those positive vibes every day! There are a couple of options, but here are a few of our faves:

1. Attach your cards to string using pegs for motivational bunting. This also works well with our Polaroid Prints
2. Add your quote to a frame for the perfect gift
3. Stick your inspiration cards upon the wall with blue-tack
4. Add them to a photo stand like these are some ones made out of wood off cuts
5. Send them to your favorite people as encouragement cards for friends and family

## Practical: - 12

Design and print assignment book on any topic.

### Assignment

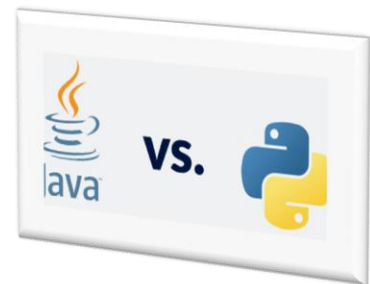
#### What is C?

C is a general-purpose programming language created by Dennis Ritchie at the Bell Laboratories in 1972. It is a very popular language, despite being old. The main reason for its popularity is because it is a fundamental language in the field of computer science. C is strongly associated with UNIX, as it was developed to write the UNIX operating system.



#### Why Learn C?

- It is one of the most popular programming languages in the world
- If you know C, you will have no problem learning other popular programming languages such as Java, Python, C++, C#, etc, as the syntax is similar
- C is very fast, compared to other programming languages, like [Java](#) and [Python](#)
- C is very versatile; it can be used in both applications and technologies



#### Difference between C and C++

- [C++](#) was developed as an extension of C, and both languages have almost the same syntax
- The main difference between C and C++ is that C++ support classes and objects, while C does not



#### Character set:-

The basic C source character set includes the following characters:

- Lowercase and uppercase letters of ISO Basic Latin Alphabet: `a-z A-Z`
- Decimal digits: `0-9`
- Graphic characters: `- ! " # % & ' ( ) * + , - . / : ; < = > ? [ \ ] ^ _ { | } ~`
- [Whitespace characters](#): *space, horizontal tab, vertical tab, form feed, newline*

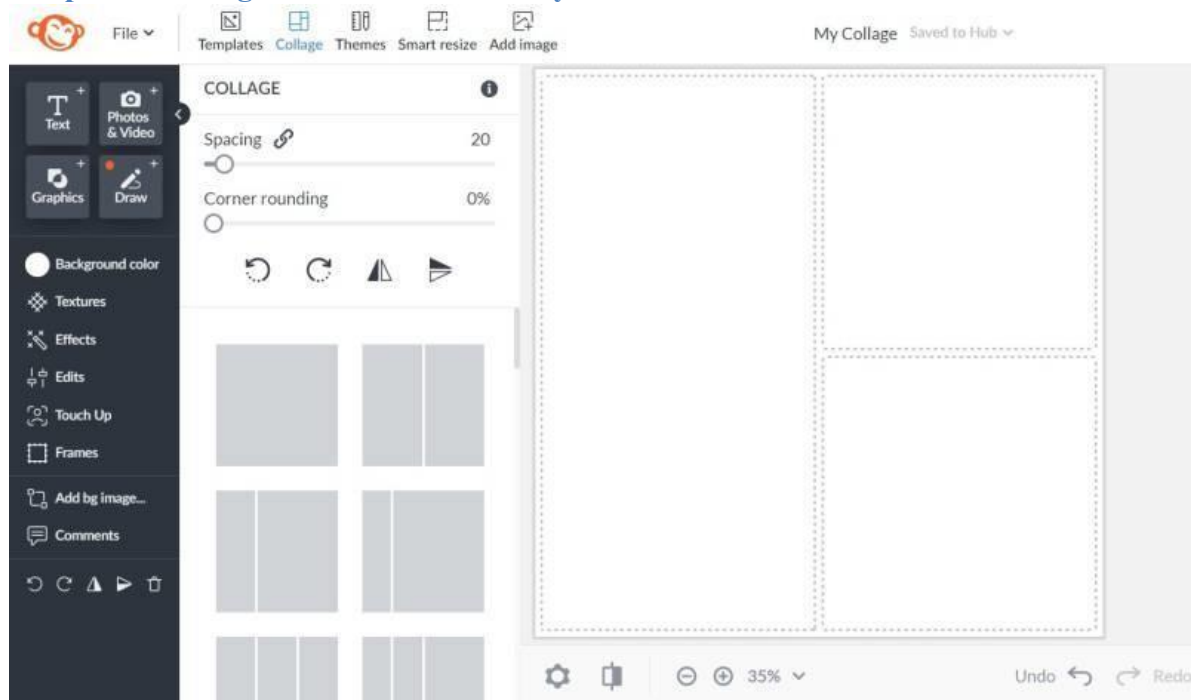
## Practical:-13

Design and print any five most important activities of your college in your collage.

### How to make a collage in 5 steps

1. Open the [collage maker](#) & choose a layout.
2. Fill the cells with images.
3. Adjust the sizing of the cells.
4. Adjust the spacing, border, & cell corners.
5. Add text & graphics if you want.

### 1. Open the collage maker & choose a layout



2. On your pic Monkey homepage, click **Create new> Collage**. You can see the layouts larger on the canvas by clicking them. You can always change the layout later on during your design
3. Process if you decide you'd like a different look, and you can resize the whole collage on the fly.
- 4.
5. The cells are all empty to start. You can set a cell's background color, or fill it with images or videos. Or, you can simply delete a cell if you don't want to use it.

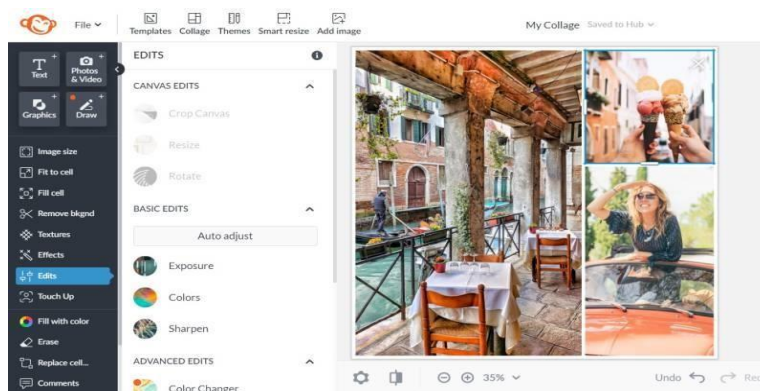
### 2. Fill the cells with images

1. **To fill the cells with a different color:** Select the cell then click **Fill with color** from the Image Tools menu. (Note that if you're a [Pic Monkey Pro](#) subscriber, your brand color palettes will be displayed at the top for easy access.)

2. **To fill the cells with a texture:** Select a filled cell to apply a texture to, then click the **Textures** tab on the left. Browse, choose, and customize the look of the texture. Click **Apply** when finished. (Remember that the starting color/image of the cell will affect the appearance of the texture applied on top. Or set the **Fade** slider in textures to 0% to make your texture completely opaque.)



### 3. Adjust the sizing of the cell



To resize an individual cell, click it and drag either the horizontal or vertical handle to stretch or shrink. Notice that the other cells resize in relation to the one you are resizing. Change the size of the image within the cell if you like.

Delete a cell you don't need by clicking the "X" in the upper right corner. If the cell is filled, you need to clear it first by clicking the "X."

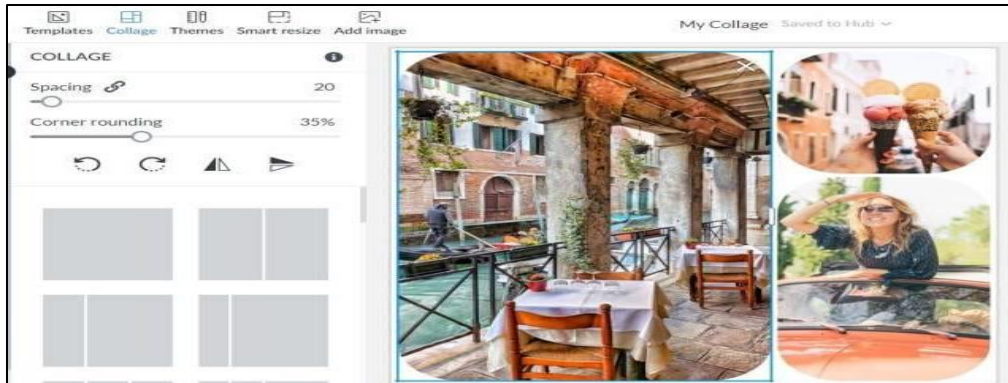
Need to add a cell? Just drag an image on to your collage and hover in between cells until you see a blue bar, release your cursor and a new cell will automatically be created.

### 4. Adjust the spacing, border, & cell corners

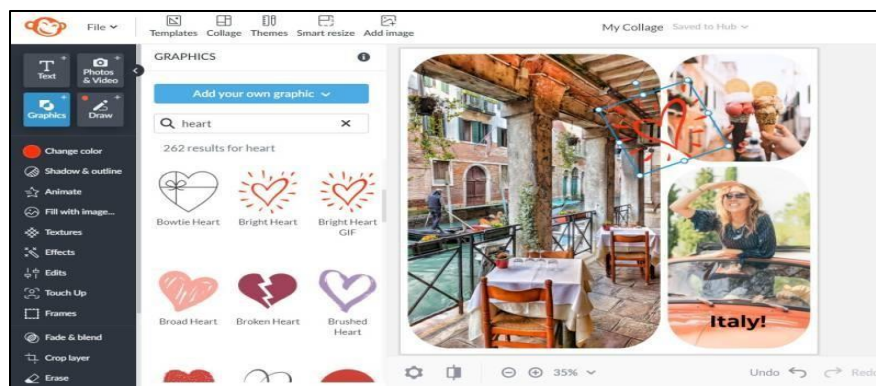
To increase the spacing between the cells, use the **Spacing** slider in the collage editing panel.

You'll notice that there is a lock (chain icon) next to the **Spacing** slider. When the spacing function is **locked**, the outer border resizes at the same size as the inner borders.

When the spacing function is **unlocked**, you can change the spacing of the outer border and inner cell borders independent of each other — just be aware that if you lock spacing again, the border will revert to the same size as the inner borders.



### 5. Add text & graphic if you want



Go ahead and add some [graphics](#) and/or text to your collage design. If you do add the see elements to your collage, they will sit “on top” of your collage and you’ll see them represented as individual layers in the **Layers** panel. You can customize your graphics and text just as you normally would!

### Finishing your collage design

All done with your collage? Time to share it with the world! Your collage, like all your designs in Pic Monkey, saves automatically to Hub, pica Monkey’s cloud storage. Your collage saves as a multi-layered file which means you can return to it at a later time and continue editing. Even the individual cells of the collage remain editable.



**Practical:-14****Design and print question paper of any subject.**

Time Allowed: 1.5 Hrs. / 90 minutes.

Name \_\_\_\_\_

Regd. No. \_\_\_\_\_

**CT INSTITUTE OF HIGER STUDIES, SHAHPUR, JALANDHAR****PROGRAM NAME 1 semester****MST-1 EXAMINATION, SEPTEMBER-2023 (ODD SEMESTER)****SUBJECT NAME: DISCRETE MATHEMATICS SUBJECT CODE: PAPER III**

This question paper is based on Outcome Based Education pattern, Section A is Compulsory.

Attempt any two questions from Section-B, attempt any One Question from Section –C and distribution of marks is mentioned in the brackets.

Q.NO.	QUESTION	COURSE OUTCOME	MARKS	BLOOM LEVEL
<b>Section A ( All question are compulsory)</b>				
1a)	Write in set – builder form: {1,4,9.....100} {1/2,2/3,3/4,4/5,5/6,6/7}	CO1	2	L1
b)	Write in Roaster form: {x,E N: x is a prime no. between 6 and 30} {x E N: 3x+5≤31}	CO1	2	L1
C)	Find the power set of A={2, {5}}	CO1	2	L1
d)	Prove that if $\underline{A} \subseteq \underline{B}$ and $\underline{B} \subseteq \underline{C}$ , then $\underline{A} \subseteq \underline{C}$	CO1	2	L1
<b>Section B ( Attempt any two question)</b>				
2.	Let $U = \{1,2,3,4,5,6,7,8,9\}$ , $A = \{1,2,3,4\}$ , $B = \{2,4,6,8\}$ , $C = \{3,4,5,6\}$ Find $(A \cup B)^c$ , $(A^c)^c$ , $(B - C)^c$ , $(A \cup C)^c$	CO1	4	L3
3.	State and prove De-Morgan's law.	CO1	4	L3
4.	Prove that $\underline{A} \subseteq \underline{B}$ iff $\underline{B}^c \subseteq \underline{A}^c$ for all sets A,B.	CO1	4	L3
<b>Section C (Attempt any one question)</b>				
5.	A survey of 500 television watchers produced the following information: 285 football, 195 watch hockey, 115 watch basketball, 45 watch football and basketball, 70 watch football and hockey, 50 watch hockey and basketball, 50 do not watch any of three games. How many watch all three games? How many watch exactly one of the three games?	CO1	8	L3
6.	In a town of 10,000 families, it was found that 40% families buy newspaper A, 20% buy newspaper B and 10% buy newspaper C, 5% buy A and B, 3% buy B and C and 4% buy A and C, if 2% families buy all newspaper, find no. of families which buy A only, B only, none of A,B, and C.	CO1	8	L3

**Practical: - 15**

**Assemble all the latest news cutting of your activities on a 10\*8 size flexes.**

Collages are a great way to use your photos and images to tell a story. Whether you want to capture the impact of a trip you took, explain how to use a product, or visualize the essence of your brand, a collage sends the viewer on a journey that stays with them in a way standalone images can't.

