



**MALAD KANDIVALI EDUCATION SOCIETY'S
NAGINDAS KHANDWALA COLLEGE OF COMMERCE,
ARTS & MANAGEMENT STUDIES & SHANTABEN NAGINDAS
KHANDWALA COLLEGE OF SCIENCE**
MALAD [W], MUMBAI – 64
(AUTONOMOUS)

**(Reaccredited 'A' Grade by NAAC)
(AFFILIATED TO UNIVERSITY OF MUMBAI)
(ISO 9001:2015)**

CERTIFICATE

Name: Mr./Ms. Dhaval Vinod Mali

Roll No.: 77

Programme: BSc CS

Semester: II

This is certified to be a bonafide record of practical works done by the above student in the college laboratory for the course **IT platforms, Tools and Practices** (Course Code: **2026UISTP**) for the partial fulfillment of Second Semester of BSc IT/CS during the academic year 2020-2021.

The journal work is the original study work that has been duly approved in the year 2020-2021 by the undersigned.

External Examiner

**Subject-In-Charge
(Ms.Sweety Garg)**

Date of Examination: (College Stamp)

Sr. No.	DATE	TITLE	SIGN
1.	02/2/21	INTRODUCTION and CONTRIBUTING TO WIKIPEDIA a) What is Wikipedia? b) Steps to Create Account on Wikipedia c) Creating Page on Wikipedia d) Edit your page	
2.	09/2/21	Creating account, repository on GitHub and Cloning repository in GitHub Page	
3.	16/2/21	BASIC UNDERSTANDING ON FREE AND OPEN-SOURCE SOFTWARE a) Describe Open-Source Software with Example. b) Describe Free Software with Example c) Difference between Free and Open-Source Software.	
4.	23/2/21	WRITING EMAIL	
5.	25/2/21	Using practical examples, describe green computing. List and explain the steps that you take to contribute to green computing	
6.	02/3/21	WRITING BLOGS	
7.	09/3/21	Implementing coding practices in Python using PEP8.	
8.	02/2/21	PRESENTATION: Electronic Data Interchange (EDI)	

PRACTICAL 1: INTRODUCTION AND CONTRIBUTION TO WIKIPEDIA

a) Description about Wikipedia and its features.

- Overview

Wikipedia is an online free-content encyclopedia project helping to create a world in which everyone can freely share in the sum of all knowledge.

It is supported by the Wikimedia Foundation and based on a model of freely editable content.

The name "Wikipedia" is a blending of the words wiki (a technology for creating collaborative websites, from the Hawaiian word wiki, meaning "quick") and encyclopedia.

Wikipedia's articles provide links designed to guide the user to related pages with additional information.

Wikipedia is written collaboratively by largely anonymous volunteers who write without pay.

Anyone with Internet access can write and make changes to Wikipedia articles, except in limited cases where editing is restricted to prevent disruption or vandalism.

Wikipedia features

- Wikipedia has many features for the users on the web. Wiki provides pieces of answers from different resources, to help the user see it from different perspectives. If someone doesn't understand what one editor says, there're always a few more editors with the same answer but with a different response.
- More Features...
 - Users around the world are able to add or delete an answer to make the best response. Wiki added a new feature called vector, which is stylish tabs at the top of each page telling the user whether they're viewing a document or a discussion page.
 - This feature also reminds them if they're reading or editing an entry.
 - Wikipedia is a community effort to create the best answers possible; there are different viewpoints for the user to read.
- Supported Applications

Many applications are necessary in order for Wikipedia to function properly. Javascript must be installed on your computer during your research process for the language to be visible and understandable to the reader.

- How Wikipedia is Used

Wikipedia can be used in various ways. Companies such as Red Ant, a Sydney, Australia based web design and development firm, and Sun Microsystems all benefit from using Wikipedia.

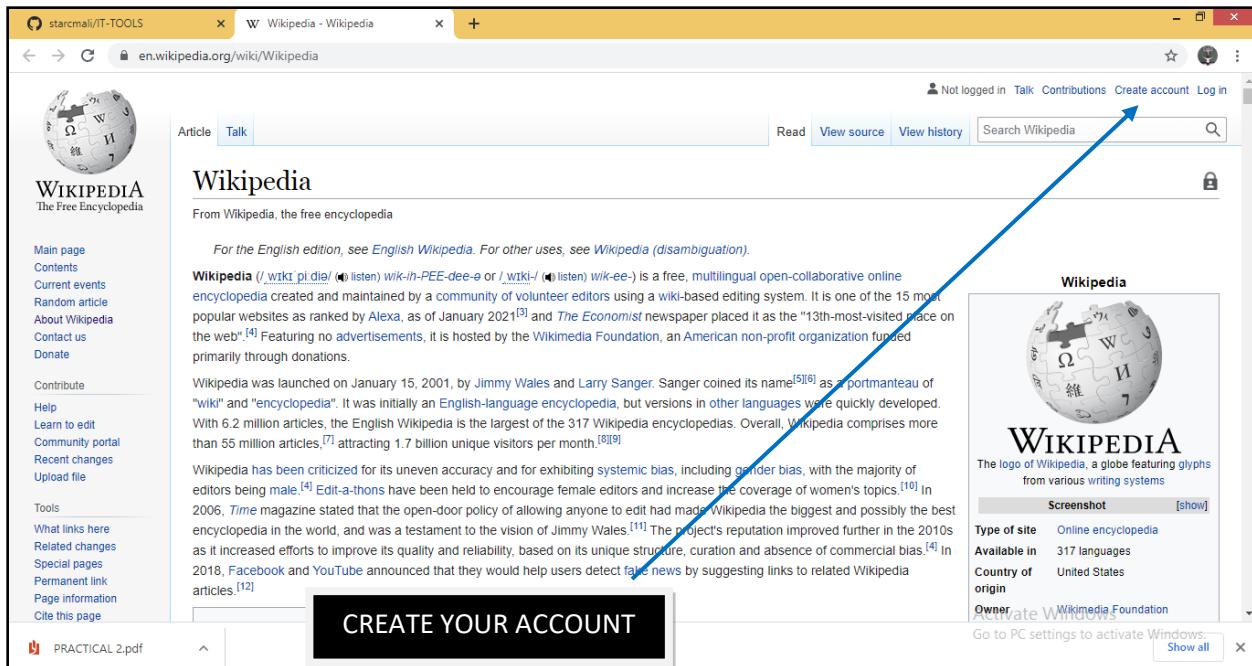
Wikipedia is used as a focal point of the web for employees and customers. Employees use Wikipedia to attach files, update web pages and integrate information for their job.

- Where Can It Be Purchased

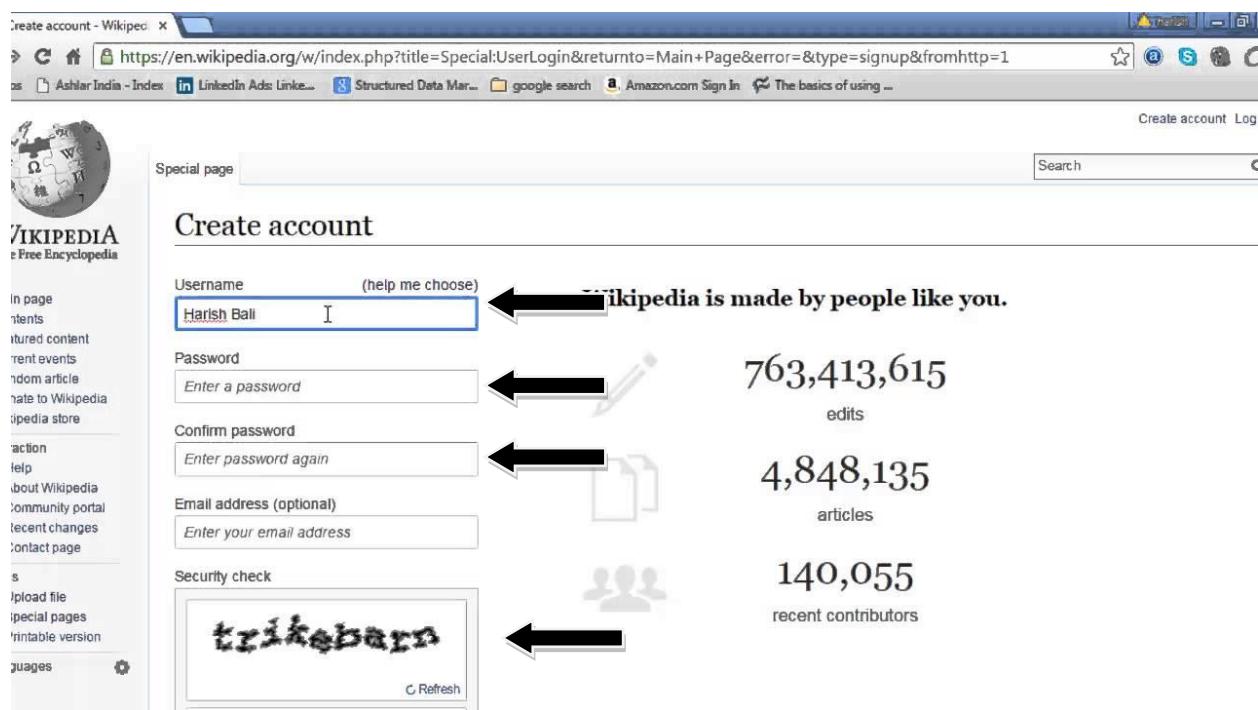
Wikipedia is a free online encyclopedia directed more towards the younger generation. Anyone can easily access wikipedia by logging on to <http://www.wikipedia.org/> Recommended Explore professional development books with Scribd Explore professional development books with Scribd Scribd - Free 30 day trial Wiki powerpoint Wiki powerpoint Penfield Central Schools Wikipedia Wikipedia bookbird Wikipedia Wikipedia ger1989 Wikipedia Wikipedia Laura Wilson Wikipedia Wikipedia rene1517 Wiki ppt Wiki ppt donald.smith KNVI-IP inspiratiemiddag over Wikipedia - presentatie Richard Rogers KNVI-IP inspiratiemiddag over Wikipedia - presentatie Richard Rogers marjobakker Encyclopedias Encyclopedias soher hassan Slowing Growth of Wikipedia and Models of its Dynamic (Presented at Wikimedia Foundataion and WikiSym 2009) Slowing Growth of Wikipedia and Models of its Dynamic (Presented at Wikimedia... Ed Chi Editing Wikipedia Editing Wikipedia Kathy Gill.

b) Creating Account on Wikipedia

Step 1: Click on Create account button to create your account.



Step 2: Fill all the Information carefully and after that click on the Create your button to create account.



*IMAGE DOWNLOADED FROM GOOGLE

c) Creating your page on Wikipedia

Step 1: click on the view source button then you will reach on the below page then click on submit an edit request button.

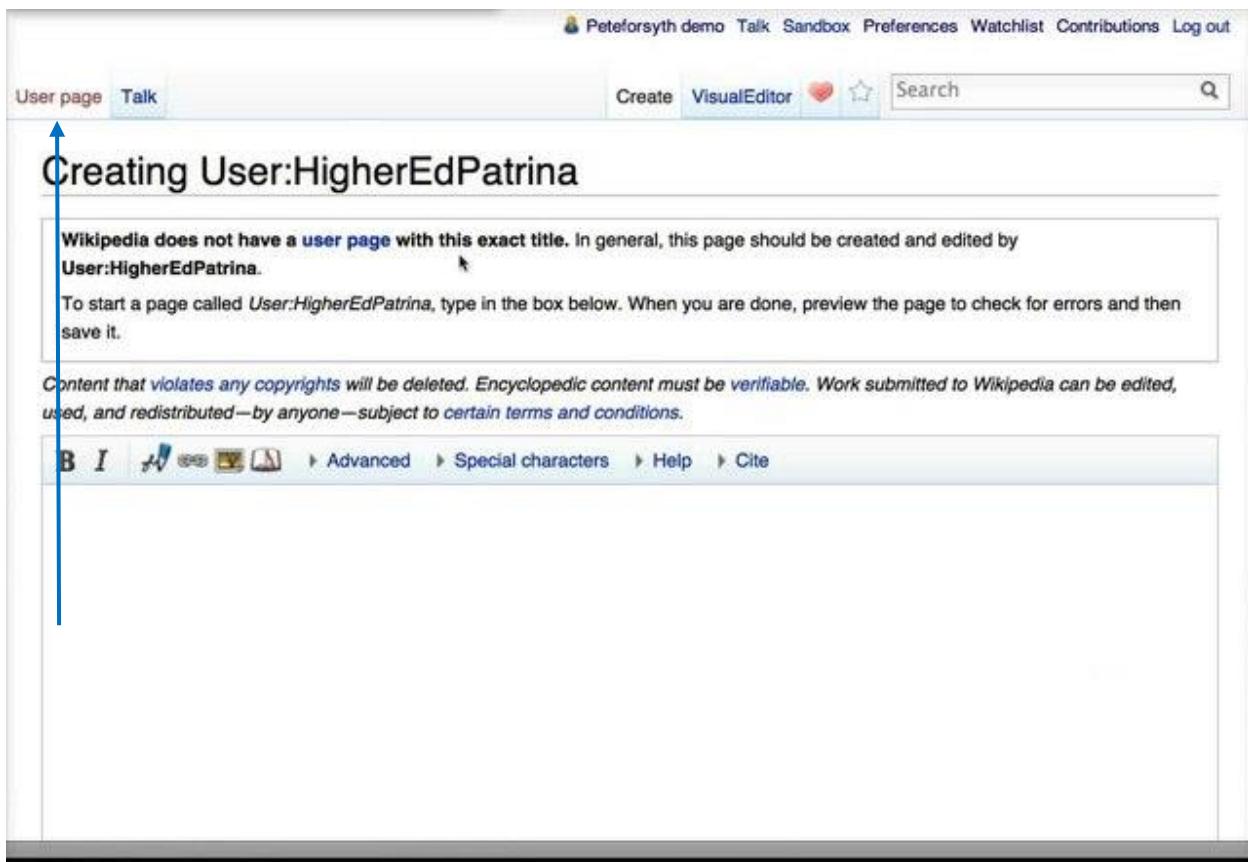
The screenshot shows a Wikipedia page titled "View source for Wikipedia:Requested moves". At the top right, there are buttons for "Read", "View source", and "View history". A blue arrow points from the "View source" button to a large black button labeled "Request to edit the page". Below the "View source" button, a message states: "This page is currently semi-protected so that only established, registered users can edit it." To the right, under "What can I do?", there is a list of steps for users who lack permission to edit.

Step 2: Click on New section to create your page.

The screenshot shows a Wikipedia talk page titled "View source for Wikipedia talk:Requested moves". At the top right, there are buttons for "Read", "Edit", and "New section". A blue arrow points from the "New section" button to the main content area. The content area displays a message: "You are currently unable to edit Wikipedia due to a block affecting your IP address. This does not affect your ability to read Wikipedia pages." It also includes information about the block being applied by "Widr" and the reason "Using Wikipedia for promotion or advertising purposes: LTA: contact #, reservation # scam".

d) Editing your page on Wikipedia

Step 1: Click on Create source button and after that click on User page then you will reach on your page. Here you can Edit your page.



*IMAGE DOWNLOADED FROM GOOGLE

Step 2: Here you can fill necessary information and at the end click on Publish change button to Publish your page information.

Editing User:DannyS712/not pending ◎

An extended confirmed user, new page reviewer, pending changes reviewer, and rollbacker, 4 months old, with 19,447 edits. Last edited 7 minutes ago.

Content that violates any copyrights will be deleted. Encyclopedic content must be verifiable. Work submitted to Wikipedia can be edited, used, and redistributed—by anyone—subject to certain terms.

B I Advanced Special characters Help Cite
Math:
$\sqrt{1+\pi^2}$
that is a formula

Page has changed, and 6 edit(s) have made been since the attempt. Merge will be attempted on save.

Edit copied from filter log. Please verify before saving.

EDIT YOUR PAGE HERE

PUBLISH YOUR CHANGE

Sign your posts on talk pages: ~~~~ | Cite your sources: <ref></ref>

Edit summary (Briefly describe your changes)
Edit made on behalf of [[Special:Contributions/Alucard 16 Public|Alucard 16 Public]] ([[User talk:Alucard 16 Public|talk]]) because it was [[Special:AbuseLog/23087299|disallowed]] by an edit filter. Original summary was "test" ([[User talk:Alucard 16 Public|talk]])

This is a minor edit Watch this page

By publishing changes you agree to the Terms of Use, and you irrevocably agree to release your contribution under the CC BY-SA 3.0 License and the GFDL. You agree that a hyperlink or URL is sufficient attribution under the Creative Commons license.

Publish changes Show preview Show changes Cancel

*IMAGE DOWNLOADED FROM GOOGLE

Step 3: Click on the read button and you will reach on your edited page.

Project page Discussion Read View source View history Search

Wikipedia:Article wizard

From Wikipedia, the free encyclopedia

1. Introduction 2. Subject 3. Notability 4. Sources 5. Content 6. End

Before you begin, you may want to read our page on starting an article.

Welcome to the Wikipedia Article Wizard! This wizard will help you through the process of submitting a new article to Wikipedia. There are 6 sections to step through, then you'll be taken to the editing page. As each section is completed, the next will become available. If you have questions at any point, you can go to the New Contributors' Help Page.

Are you ready to create an article?

Learn a bit more about editing first (recommended if you've not edited before)

Learn a bit more about creating articles first (recommended if this is your first new article)

Create an article now

Create something else

Shortcuts: WP:WIZARD WP:WIZ

Basics of editing
It's highly recommended that you try editing a few existing articles before you create your first article. We care deeply that our articles are *right*, and incorrectly formatted and unreferenced articles are often deleted. Learning a bit of our house style first increases your chances of success. To learn more about the basics of editing, see this tutorial.

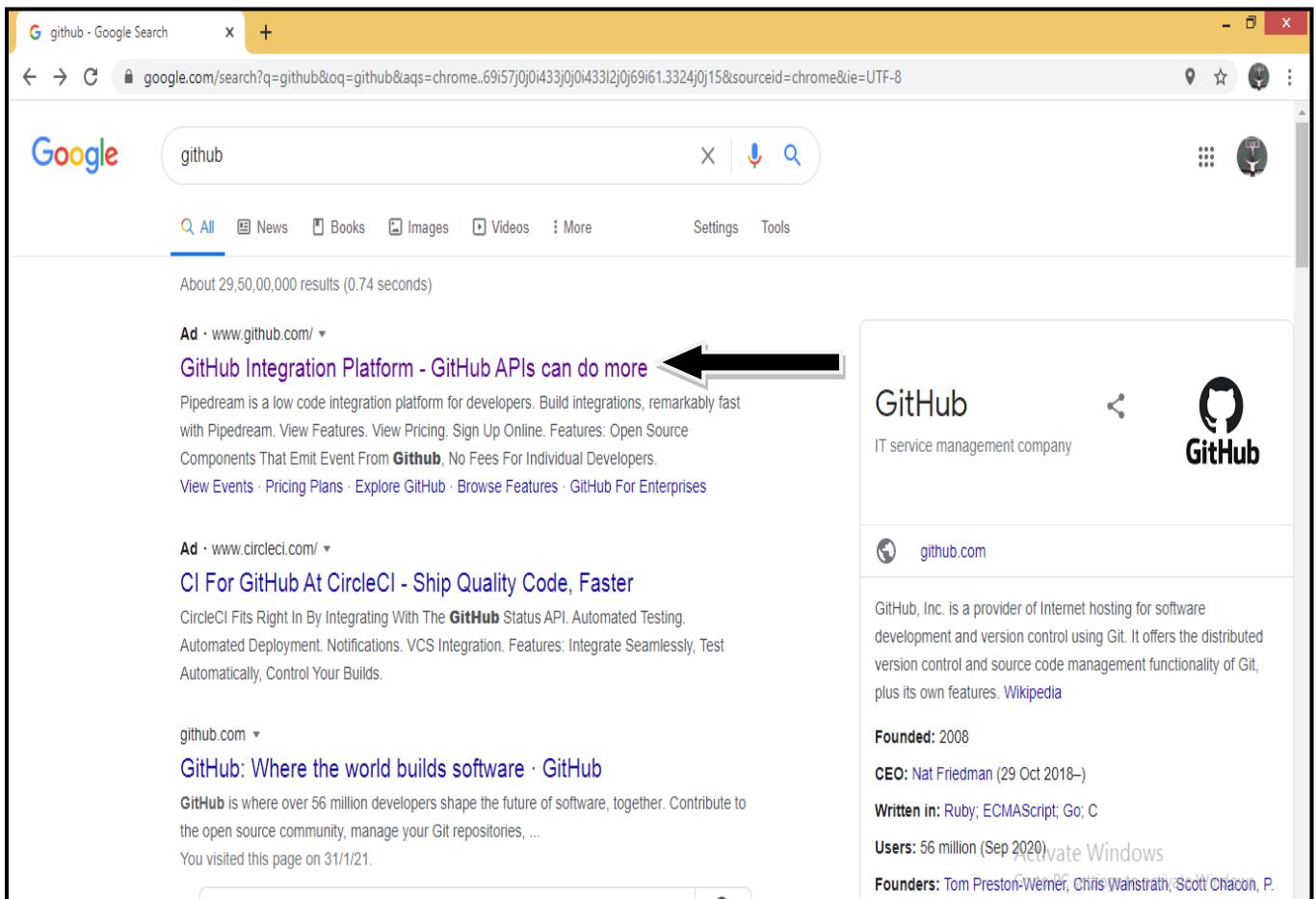
Categories: Wikipedia article wizard

*IMAGE DOWNLOADED FROM GOOGLE

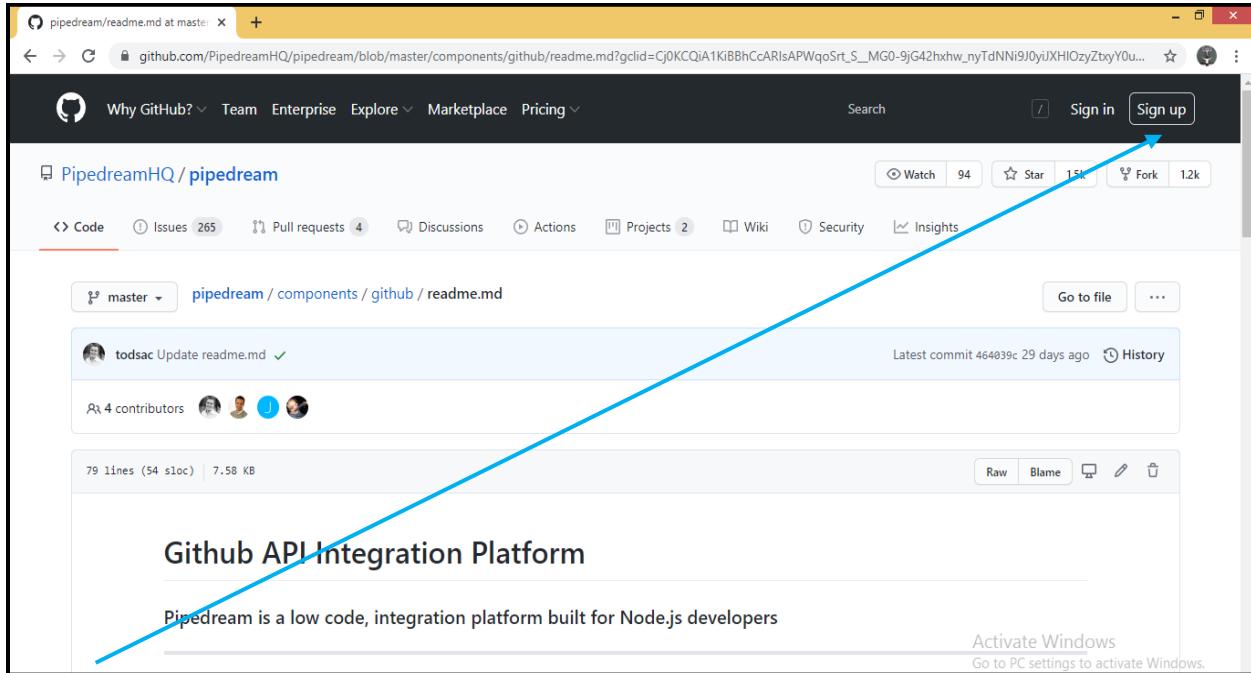
PRACTICAL 2 : Creating account, repository on Github and cloning repository in Github

a) Creating account :-

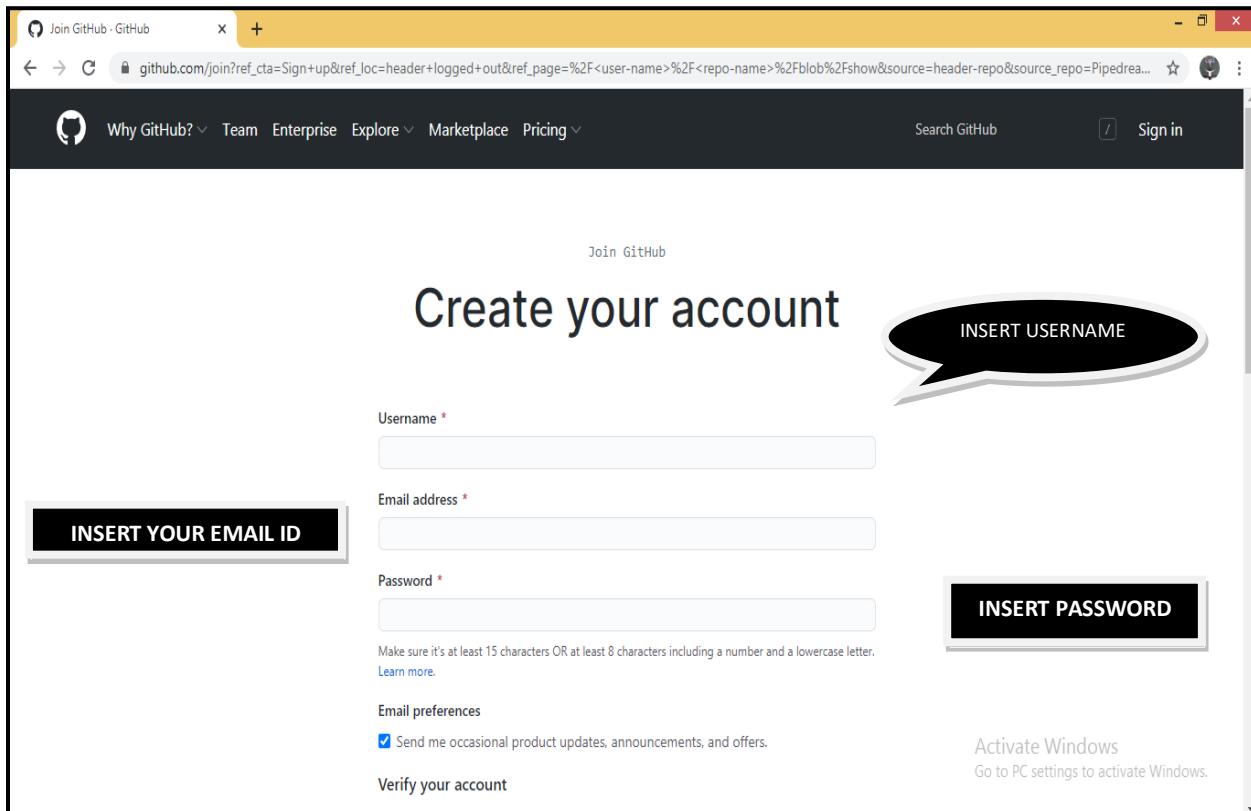
Step 1:- Search Github on Google and click on the official link of Github



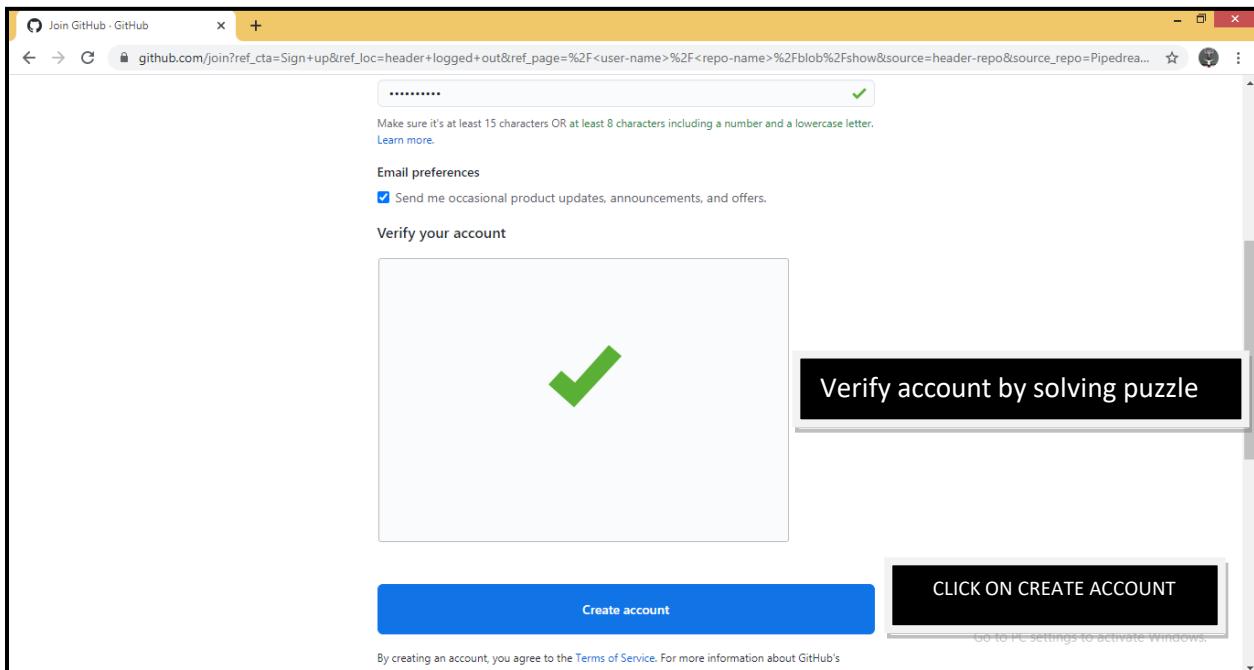
Step 2:- Click on the sign up button to create an account on Github.



Step 3:- Click on the signup button and Create your Github Account by filling necessary Information which is star marked.

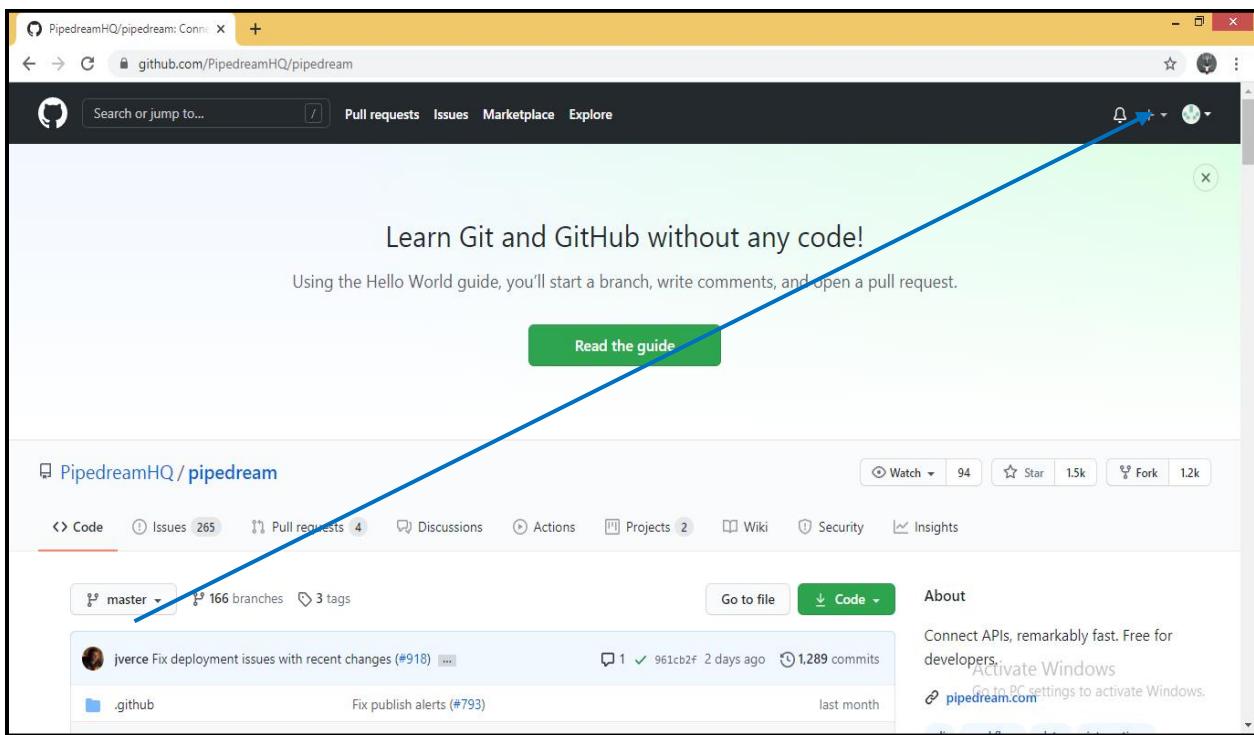


Step 4:- After fill all the information verify your account and click on the Create Account button. Now your account is created.

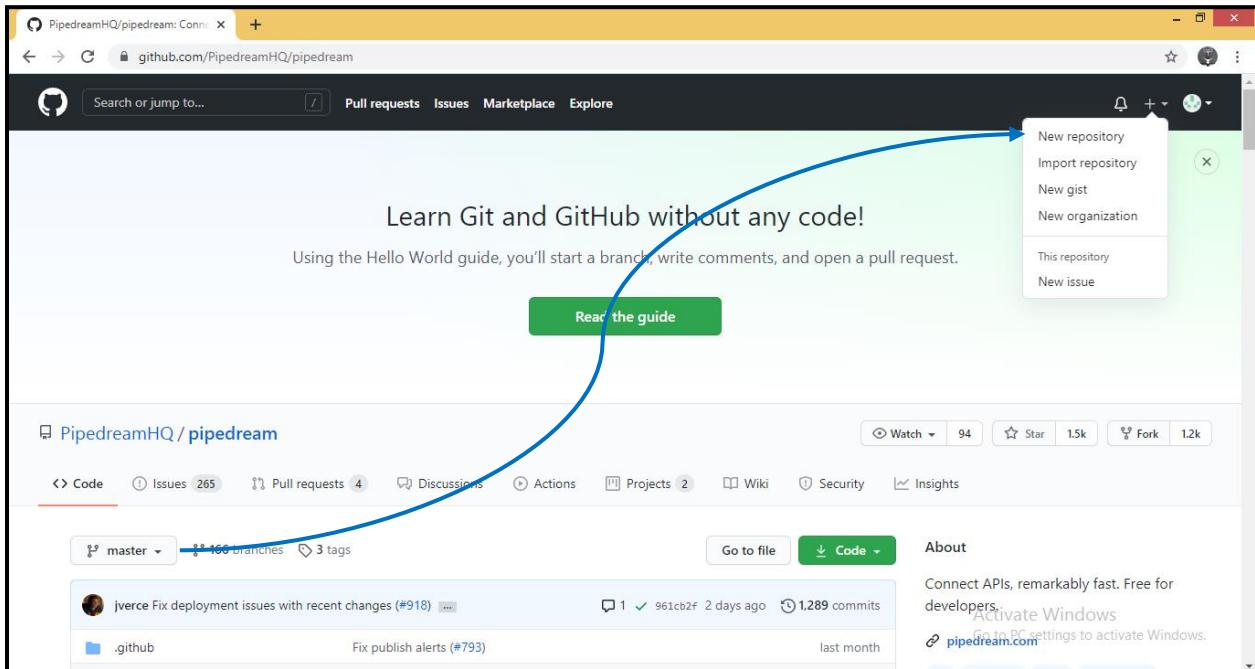


b) Creating repository :

Step 1: To create repository click on the ‘+’ button.



Step 2: Click on New repository to make your repository.

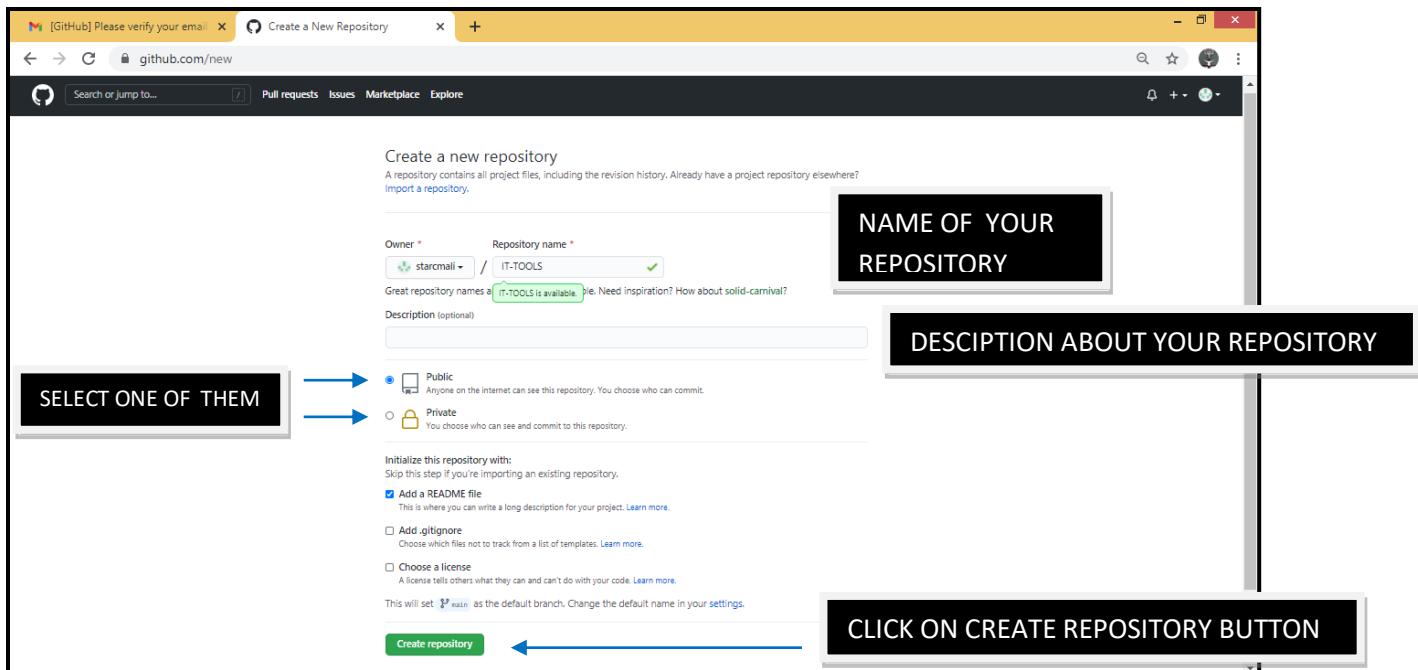


Step 3: After clicking on the new repository you reach on this page here you have to give your Repository name, click on the private or public button.

Description: It is optional, so if you want to describe something about your repository then fill the description filled with necessary information.

1. Private : If you want no one can access your repository then click on private button.

2. Public : If you want other people can access your repository then click on public button.

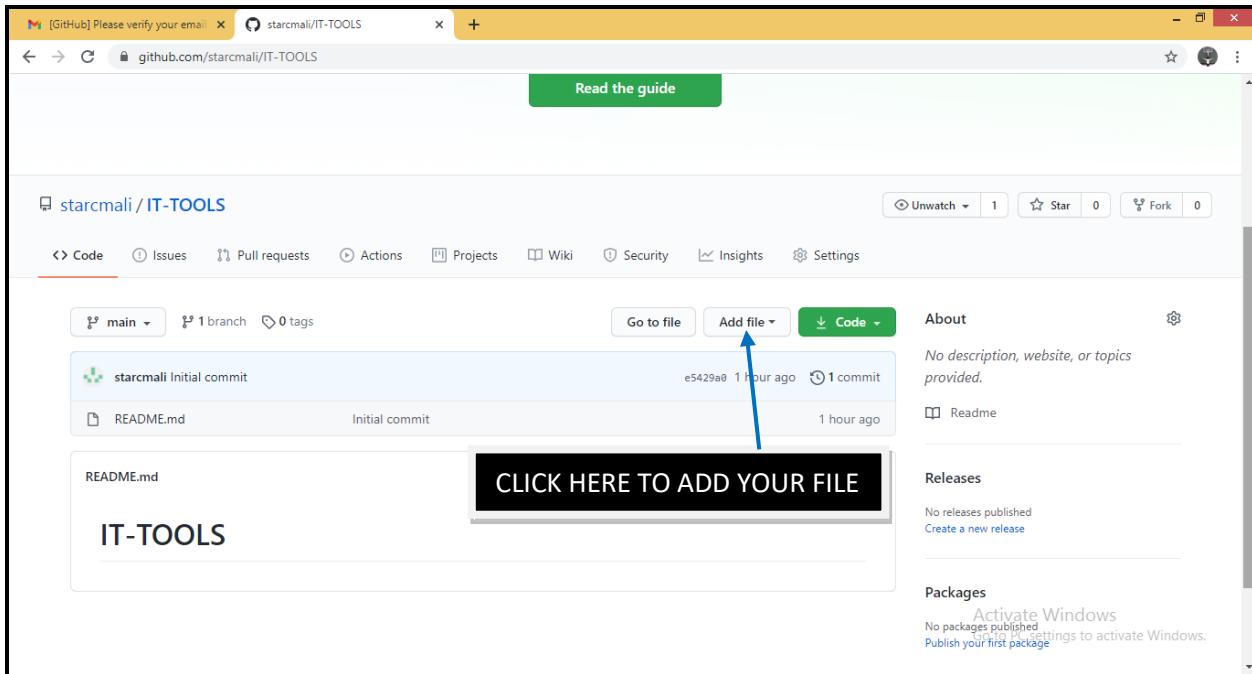


Step 4: In the Last click on the create repository button.

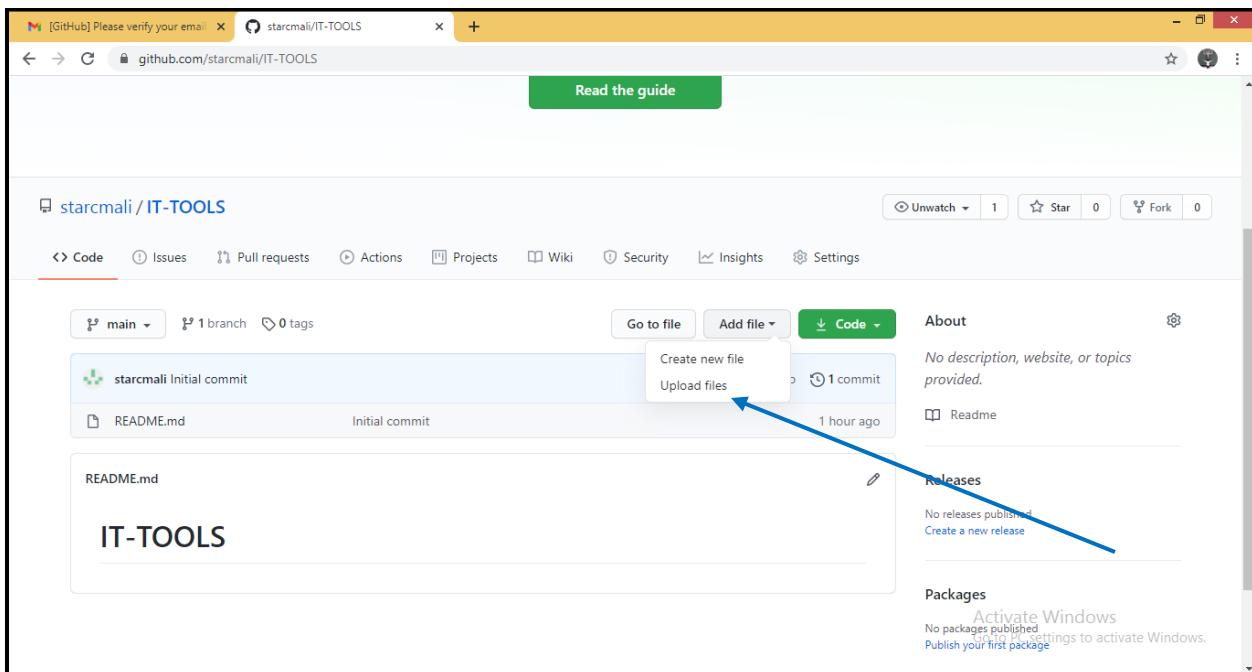
c) Cloning repository :

After clicking on the create repository button you will reach on the below page.

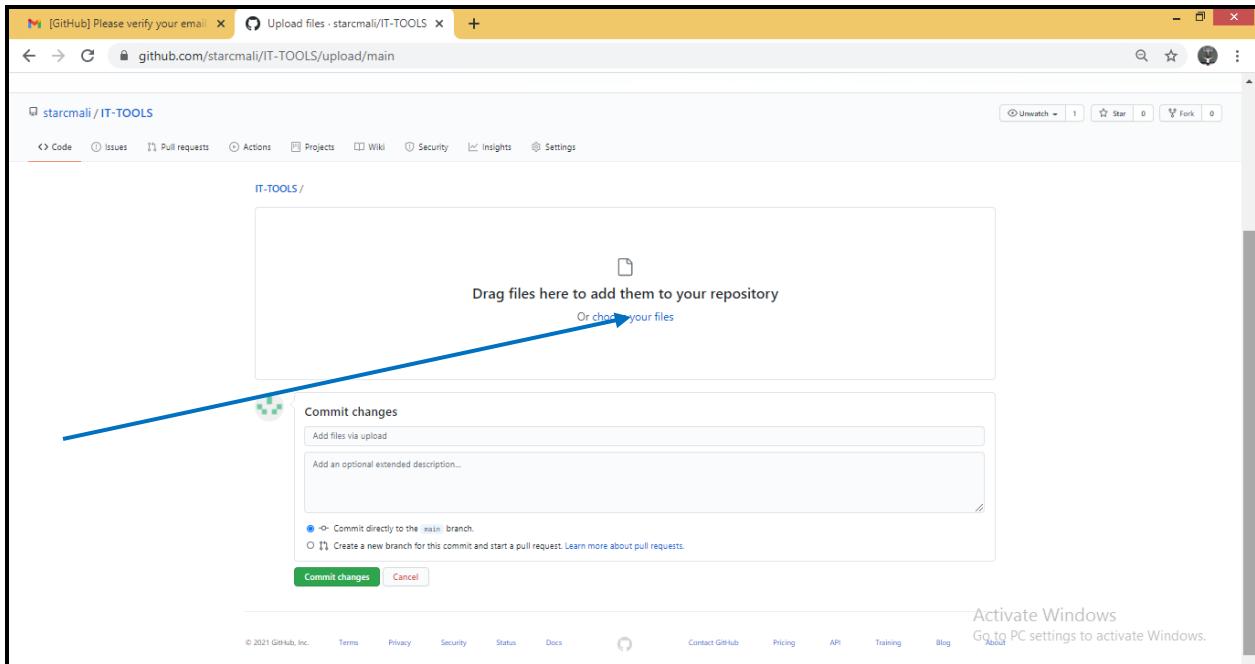
Step 1: Click on the Add file button.



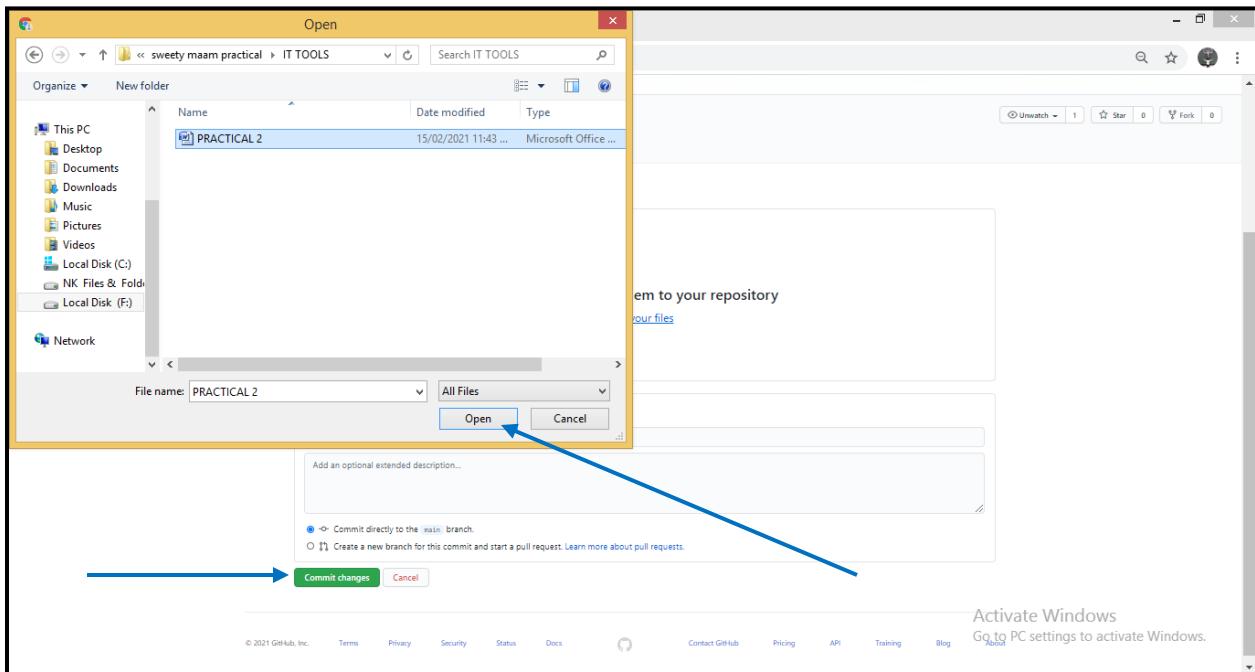
Step 2: Click on upload files here you can add many files in the repository.



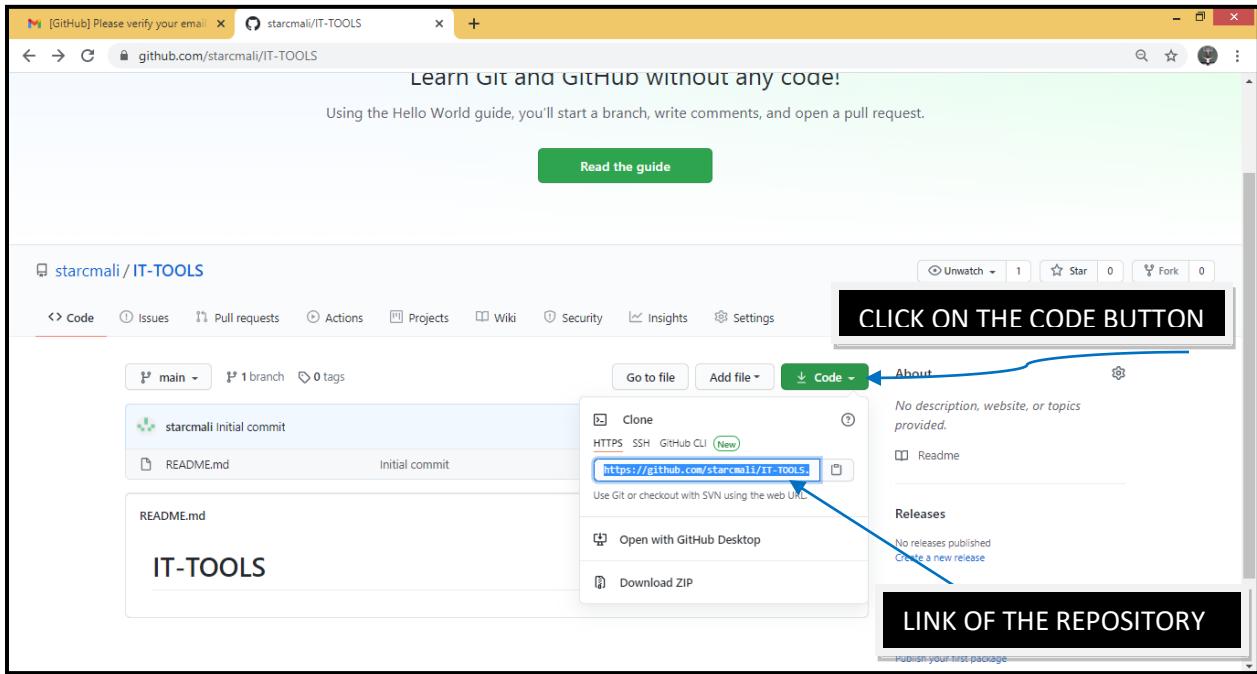
Step 3: Click on choose your file to select your file.



Step 4: Select the file which you want and click on open button and atleast click on the commit changes button to save the changes.



Step 5: Click on the code button to get your repository link and copy the link to share your repository.



PRACTICAL 3 : BASIC UNDERSTANDING ON FREE AND OPEN- SOURCE SOFTWARE

a) Descibe Open Source Software with Example.

Answer : Open-source software is a type of computer software in which source code is released under a license in which the copyright holder grants user the rights to use, study, change, and distribute the software to anyone and for any purpose. Open-source software may be developed in a collaborative public manner. Open-source software is a prominent example of open collaboration.

Open source software is software with source code that anyone can inspect, modify, and enhance.

"Source code" is the part of software that most computer users don't ever see; it's the code computer programmers can manipulate to change how a piece of software—a "program" or "application"—works. Programmers who have access to a computer program's source code can improve that program by adding features to it or fixing parts that don't always work correctly.

Examples :

- Firefox—a Web browser that competes with Internet Explorer
- OpenOffice—a competitor to Microsoft Office
- Gimp—a graphic tool with features found in Photoshop
- Alfresco—collaboration software that competes with Microsoft Sharepoint and EMC's Documentum
- Marketcetera—an enterprise trading platform for hedge fund managers that competes with FlexTrade and Portware.
- Zimbra—open source e-mail software that competes with Outlook server.

- MySQL, Ingres, and EnterpriseDB—open source database software packages that each go head-to-head with commercial products from Oracle, Microsoft, Sybase, and IBM.

b) Describe Free Software with Example.

Answer : Free software is computer software distributed under terms that allow users to run the software for any purpose as well as to study, change, and distribute it and any adapted versions. Free software is a matter of liberty, not price: all users are legally free to do what they want with their copies of a free software (including profiting from them) regardless of how much is paid to obtain the program. Computer programs are deemed "free" if they give end-users (not just the developer) ultimate control over the software and, subsequently, over their devices.

"Free software" means software that respects users' freedom and community. Roughly, it means that the users have the freedom to run, copy, distribute, study, change and improve the software. Thus, "free software" is a matter of liberty, not price.

Examples :

- The Linux kernel of an operating system .The Linux kernel is protected by the GPL, and is used daily by millions of people throughout the world.
- Apache, the most widely used web server in the world.
- The Gimp is a powerful bitmap mode digital creation program.
- PostgreSQL is an object-relational database .
- Replicant smartphone, an Android-based system that is 100% free software.
- Libreoffice is a free multi-platform office suite.
- Creating a 3D car racing game using the Blender Game Engine.

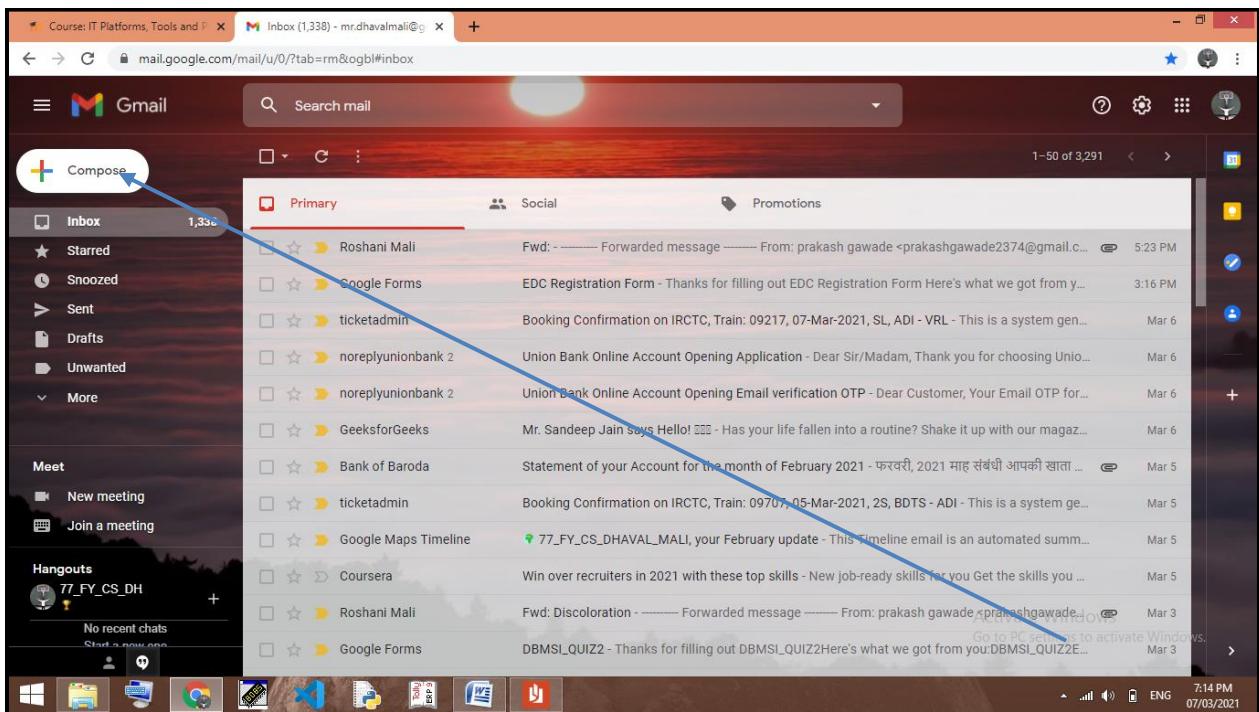
c) Difference between Free and Open Source Software.

Answer :

Sr.no.	Free Software	Open Source Software
1.	Software is an important part of people's lives.	Software is just software. There are no ethics associated directly to it.
2.	Software freedom translates to social freedom.	Ethics are to be associated to the people not to the software.
3.	Freedom is a value that is more important than any economical advantage.	Freedom is not an absolute concept. Freedom should be allowed, not imposed.
4.	Example : Linux kernel based operating system.	Example : Mozilla Firefox an internet browser.

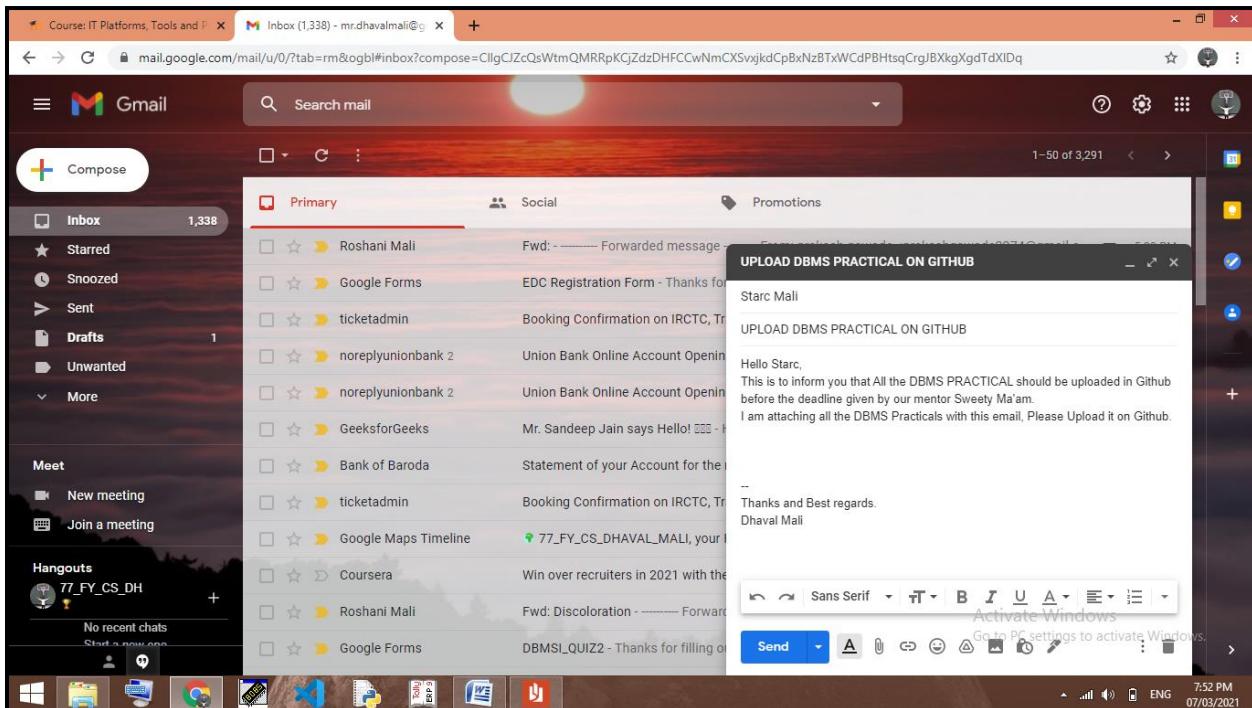
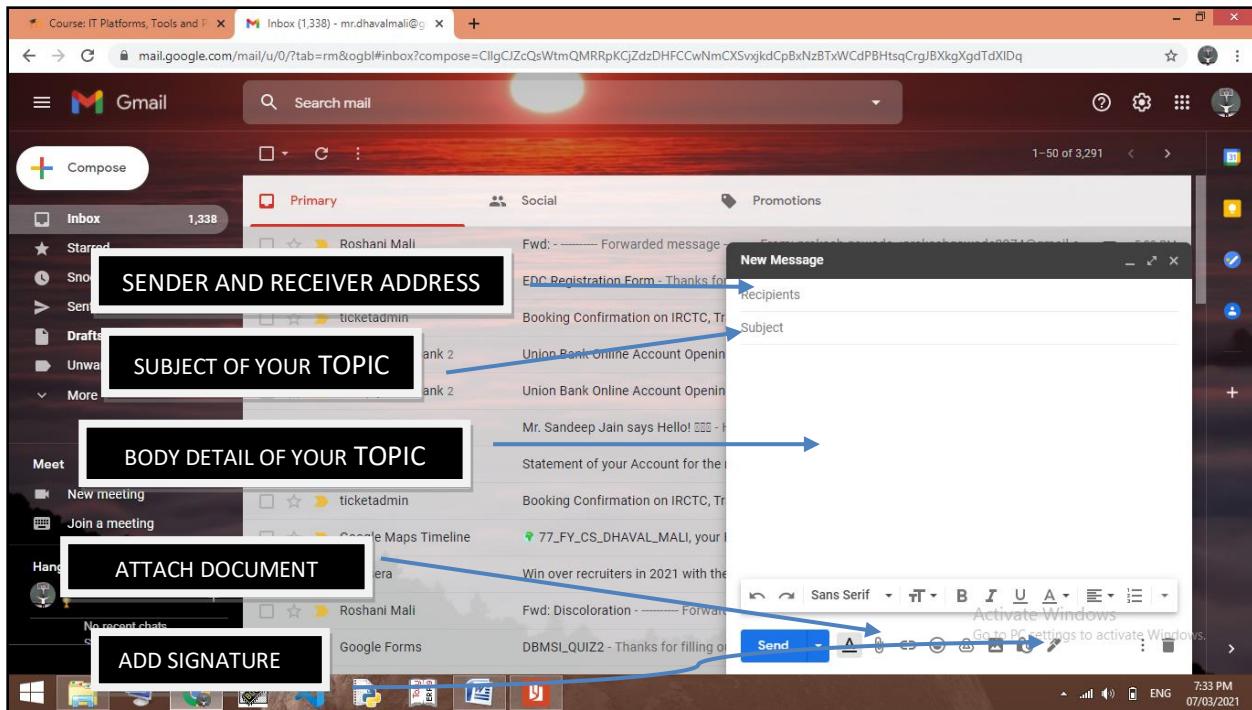
PRACTICAL 4 : WRITING EMAIL

- A.** First login to your G-mail account and click on the Compose icon which is on the left side of the screen.

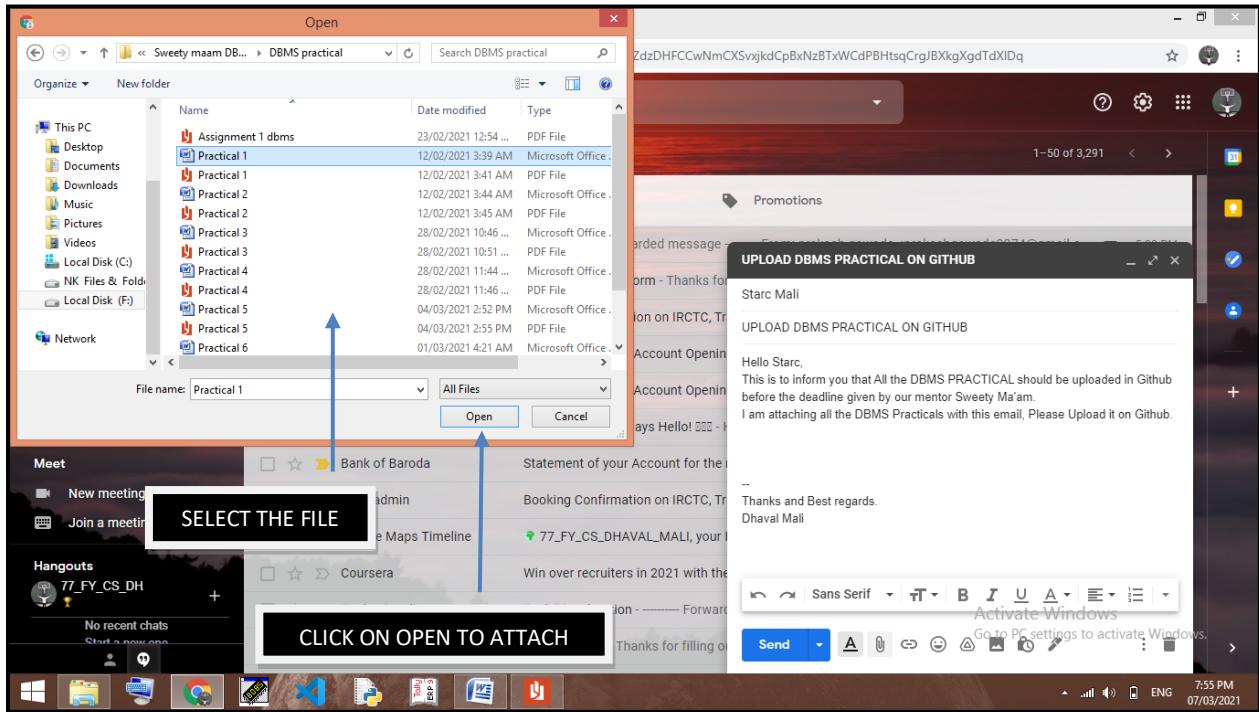


- B.** After clicking on Compose you have to fill the details of

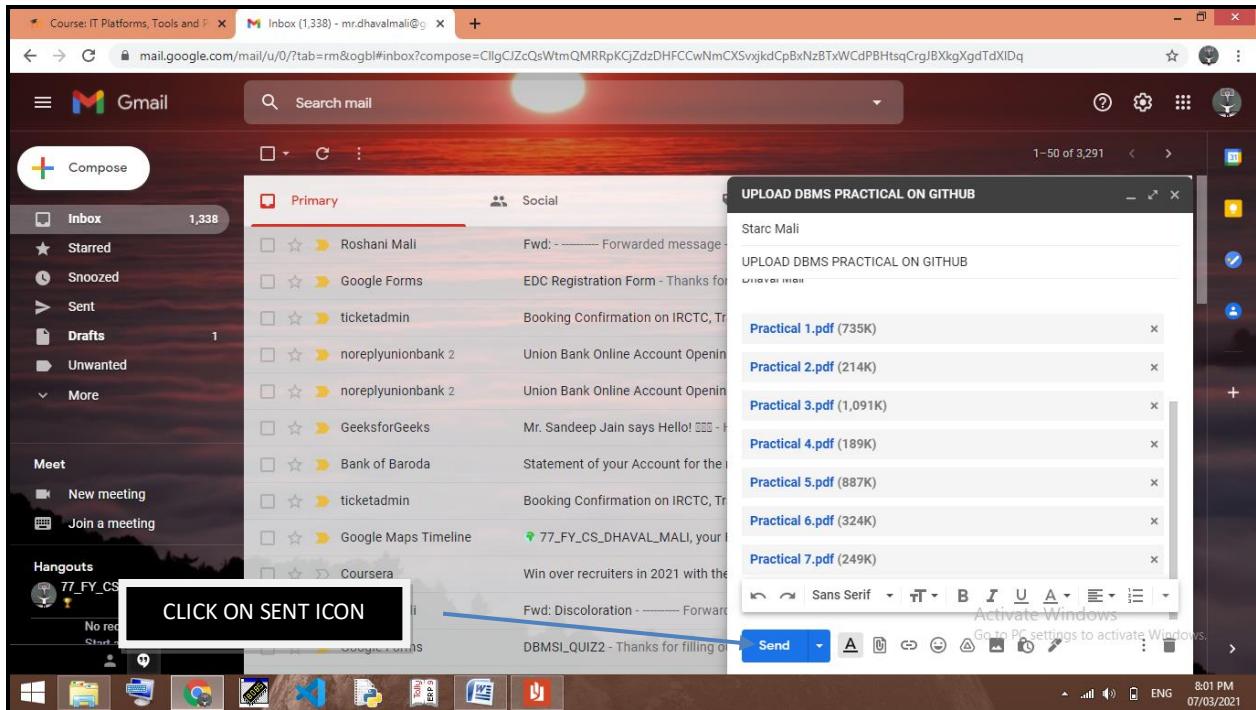
- Sender's Email address.
- Receiver's email address.
- Subject [define the main cause for writing gmail to receiver].
- Body [here you have to write the detail about your topic].
- Signature to your mail.
- Attachment [here you can attach the document related to your topic].



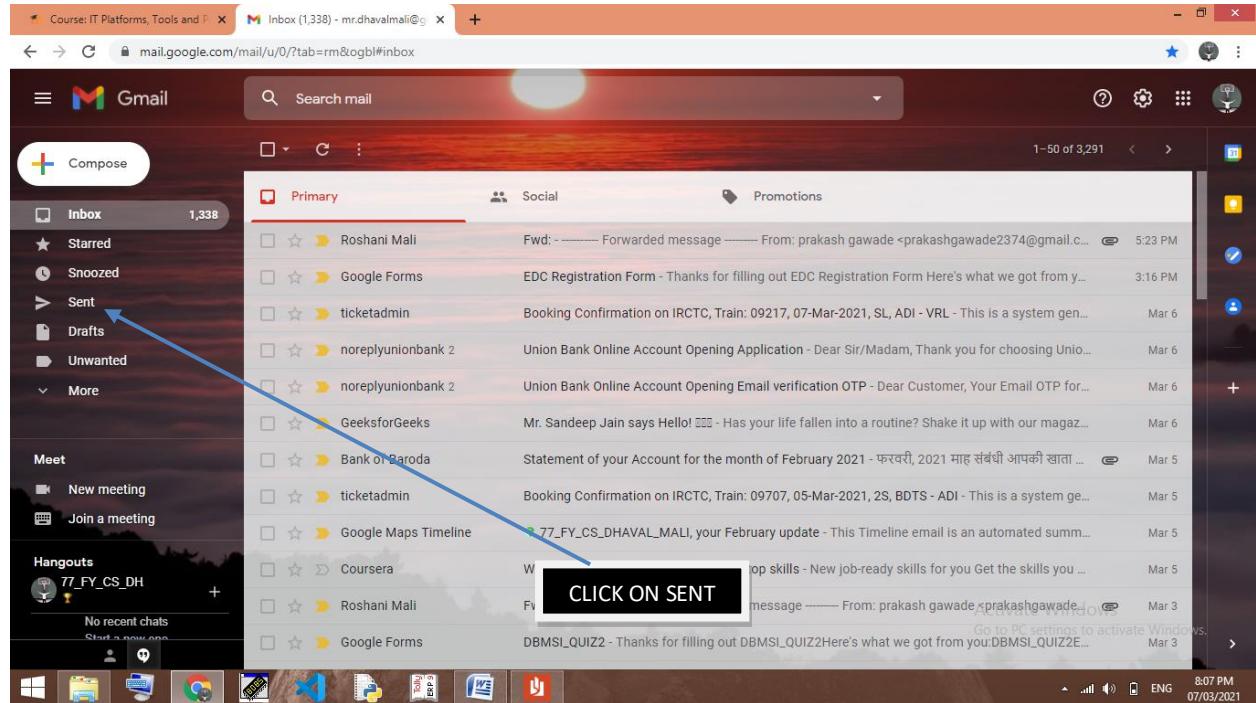
- To attach document click on attach icon and then select the file from your system.



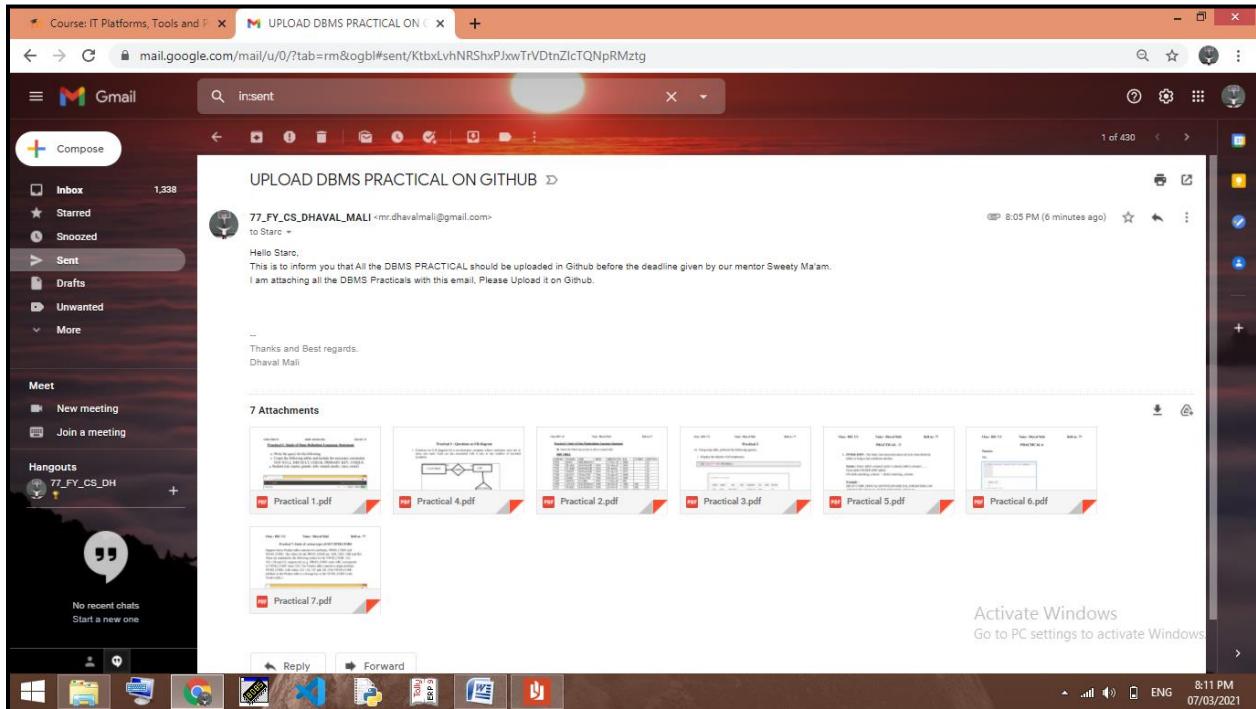
- After fill all details and attaching all document ,Click on sent icon to sent the email to the recipient.



➤ Click on Sent option to see your sent mail to recipient.



- Your email will be display in these way in your recipient mail box.



Assignment

1. Explain Green Computing with its advantages.

Answer :

Green Computing refers to durable computing of the environment. This reduces the use of electricity as well as power and reduces environmental waste when we are using a computer. It Computing has the same goal with green chemistry, which is now the life of the product and makes the product more energy efficient, the abandoned product and factory waste are more easily recycled and to be biodegradable, less Dangerous Use Content.

There are different objectives of green computing are:

- To minimize the implementation of hazardous products.
- More production of energy efficiency.
- To use the recyclability of wasted product and factory wasted products.
- To design proper algorithms for improve the computer's efficiency.

Advantages of Green Computing :

- Lessened vitality utilization by green registering advances converts into low carbon dioxide emanations, which emerge because of the absence of petroleum derivatives utilized as a part of intensity plants and transportation.
- Conservation of resources means less energy is required to produce, use and dispose of products.
- Saving energy and resources saves money.
- Green processing includes changing government arrangement to empower reusing by people and organizations and to lessen vitality utilization.
- Reduce existing exposure in laptops such as chemical, cancer, nerve damage, and is known due to immune responses in humans.



2. What is E-waste? What can be done to reduce the impact of E-waste.

Answer :

E-waste is any electrical or electronic equipment that's been discarded. This includes working and broken items that are thrown in the garbage or donated to a charity reseller like Goodwill. Often, if the item goes unsold in the store, it will be thrown away. E-waste is particularly dangerous due to toxic chemicals that naturally leach from the metals inside when buried.

To reduce the impact of E-waste following measure need to be taken

⊕ Reduce

The easiest way to solve the e-waste crisis is to produce less e-waste. I know, easier said than done. Companies are constantly rolling out new products—like Apple, for instance, with its iPhone. Newer products look and function better than their predecessors, but novelty comes at a price. Instead of buying that flashy new gadget, stick to what you've got. Also, by taking care of your electronics you can ensure that they last longer. When you don't have to replace them as often, you end up saving money.

✚ Reuse

Instead of tossing out that old television set or gaming console, consider regifting, selling, or donating it. You could also hold on to it. Who knows, it might end up being worth something someday. Look at the Original Apple 1. It's sold at auction for upwards of \$905,000.

✚ Repair

People often throw out and replace broken electronics instead of getting them repaired. True, repairs can be expensive, but for those who aren't afraid of a DIY project, it's a cheap fix. Online resources like , iFixit a website that boasts free repair guides for everything, provide reliable information that'll help you get your tech back in working order. Always remember to be safe, though.

✚ Recycle

As a last resort, you can always recycle your e-waste—just make sure you're doing it correctly! Many communities have e-waste recycling events and drop-off depots that handle these materials. If your city is currently a member of our network, download the Recycle Coach app to find out how. Organizations like TerraCycle accept e-waste in the U.S. and Canada. So do some manufacturers and retailers, like Apple and Best Buy.



3. What are the benefits of going paperless.

Answer :

Saves Time

Time spent filing, organizing, and searching for paper documents is time that could be spent on more productive tasks. Digitized documents are stored in a central repository, which is basically a well-organized digital filing cabinet where all of your documents live.

Using a digital document management system, you'll get to harness the same powerful search abilities that you're used to using on Google. This means employees can find files at the click of a button, much more quickly than the laborious, manual process of searching for a specific file in a buried folder. Employees are able to use this extra time on revenue-generating projects.

Saves Space

Paper takes up a lot of space – as do filing cabinets and space to store those filing cabinets. Books and bookshelves are bulky, too. What's worse, paper keeps piling up, oftentimes accumulating more quickly than it can be sorted and organized. This is particularly true of industries that have long mandatory retention periods for paperwork like the financial industry.

Digitizing files allows you to store all documents either on an on-premises server or in the cloud. Digital file folders in a repository require much less space than a physical records archive.

Saves Money

Going digital improves process efficiency, saving you money. Paperless offices can process a much larger volume of paperwork compared to traditional offices in the same amount of time.

Further, digitization reduces money spent on paper, printers, ink, postage, office space for files and employee time to manage paperwork.

Eases Transfer of Information

Document management software offers a simple process for saving documents. The software easily compiles digital documents using scanners, mobile capture using a camera on a phone or tablet or importing any file type (.docx, .pdf, image files). Many commonly used applications, like Microsoft Office and Adobe Acrobat, integrate with document management systems and have native plugins which allow you to file your document into your content management system with just one click.

⊕ Promotes the Environment

Manufacturing paper products produce greenhouse gases, causing deforestation and global warming. Recycling can offset some of the environmental impact, but not by much. Most paper eventually ends up in a landfill. Further, ink and toners contain volatile compounds and non-renewable substances which are damaging to the environment. It is much more sustainable to simply reduce paper use altogether by switching to a paperless office.

⊕ Boosts Security

Physical documents are hard to track – reams of paper can get lost, misfiled or destroyed without anyone noticing. It can also be difficult to monitor the access, printing and copying of sensitive files. Document management software has advanced security capabilities that can tackle these challenges. System administrators can set-up granular access rights, which assign permissions at the document level (e.g. settings based on the type of document), user level (e.g. settings based on person's job function), or system level (e.g. overarching security for all data in the system).



4. What is Github? Give advantages of using Github.

Answer :

Github is a hosting platform wherein developers can store their computer code in the github server in files and folders called repository and track them continuously. It is an open-source version control and collaboration platform for program developers.

It helps all the programmers to collaborate with each other who are working on a similar project and also share their code easily as and when required. The collection of these files will show the source code of a program which is spread across the files to make it easier to manage what can be many thousands of lines of code and still be able to find the parts you need to find.



Advantages of Github

✚ It makes it easy to contribute to your open source projects

To be honest, nearly every open-source project uses GitHub to manage their project. Using GitHub is free if your project is open source and includes a wiki and issue tracker that makes it easy to include more in-depth documentation and get feedback about your project. If you want to contribute, you just fork a project, make your changes and then send them a pull request using GitHub web interface.

✚ Documentation

By using GitHub, you make it easier to get excellent documentation. Their help section and guides have articles for nearly any topic related to git that you can think of.

Showcase your work

Are you a developer and wishes to attract recruiters? GitHub is the best tool you can rely on for this. Today, when searching for new recruits for their project, most companies look into the GitHub profiles. If your profile is available, you will have a higher chance of being recruited even if you are not from a great university or college.

Markdown

Markdown allows you to use a simple text editor to write formatted documents. GitHub has revolutionized writing by channeling everything through Markdown: from the issue tracker, user comments, everything. With so many other programming languages to learn for setting up projects, it's really a big benefit to have your content inputted in a format without having to learn yet another system.

GitHub is a repository

This was already mentioned before, but it's important to note, GitHub is a repository. What this means that it allows your work to get out there in front of the public. Moreover, GitHub is one of the largest coding communities around right now, so it's wide exposure for your project.

Track changes in your code across versions

When multiple people collaborate on a project, it's hard to keep track revisions—who changed what, when, and where those files are stored. GitHub takes care of this problem by keeping track of all the changes that have been pushed to the repository. Much like using Microsoft Word or Google Drive, you can have a version history of your code so that previous versions are not lost with every iteration.

Integration options

GitHub can integrate with common platforms such as Amazon and Google Cloud, services such as Code Climate to track your feedback, and can highlight syntax in over 200 different programming languages.

5. Write a program using PEP8 rules.

The screenshot shows a Python code editor window titled 'largest number.py - C:/Users/Admin/AppData/Local/Programs/Python'. The code is a program to find the largest number among three user inputs:

```
# Python program to find the largest number
# among the three input numbers
# take three number from user

num1 = float(input("Enter first number : "))
num2 = float(input("Enter second number : "))
num3 = float(input("Enter third number : "))

# Check the largest number among the given number

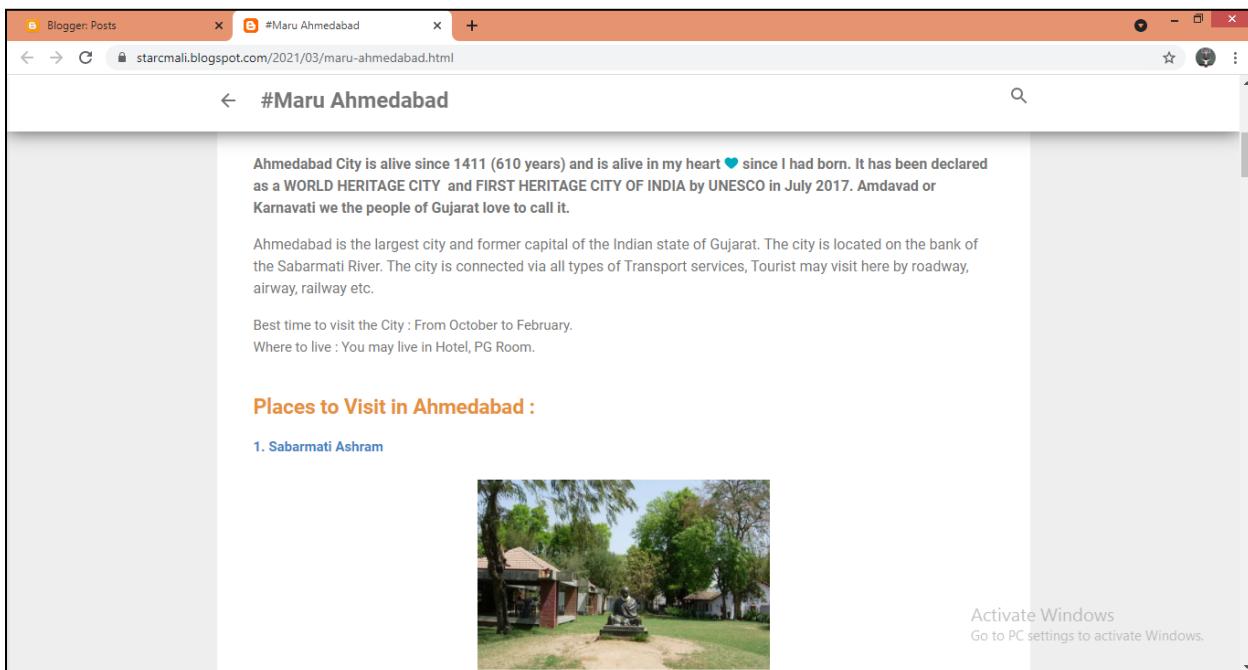
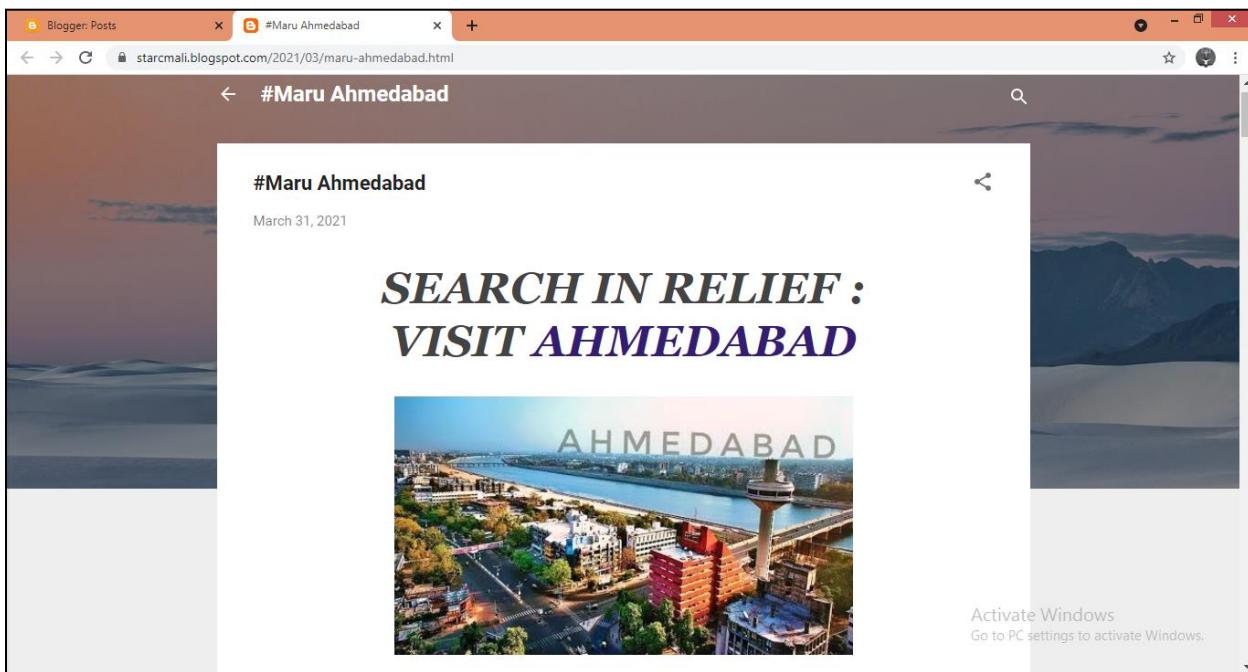
if(num1 > num2) and (num1 > num3):
    largest = num1
elif(num2 > num1) and (num2 > num3):
    largest = num2
else:
    largest = num3

print("The largest number is : ",largest)
```

The screenshot shows the IDLE Python shell window titled 'IDLE Shell 3.9.2'. It displays the Python version, copyright information, and the output of running the 'largest number.py' script. The user enters three numbers (9, 8, 6) and the script prints the largest number (9.0).

```
IDLE Shell 3.9.2
File Edit Shell Debug Options Window Help
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Admin/AppData/Local/Programs/Python/Python39/python program work temp/pep8/largest number.py
Enter first number : 9
Enter second number : 8
Enter third number : 6
The largest number is : 9.0
>>> |
```

PRACTICAL 6 BLOG



Sabarmati Ashram is located on the bank of Sabarmati river, Once home to "BAPU" (Father of our Nation : Mahatma Gandhi) and was the center of operations for the Indian Freedom Struggle. Iconic Dandi March Yatra was started from the Sabarmati Ashram, which was the key point in the Indian Freedom Struggle.

2. Jama Masjid



Jama Masjid is a top tourist place in Ahmedabad. The architecture of the mosque presents an amalgamation of Hindu and Islamic architectural styles.

3. Kankaria Lake



Kankaria lake is the second largest lake in Ahmedabad. It has many public attractions such as zoo, toy train, kids city, tethered balloon ride, water rides, water park, food stalls, and entertainment facilities.

Activate Windows
Go to PC settings to activate Windows.

Kankaria lake is the second largest lake in Ahmedabad. It has many public attractions such as zoo, toy train, kids city, tethered balloon ride, water rides, water park, food stalls, and entertainment facilities.

4. Sidi Saiyyed Mosque



Sidi Saiyyed Mosque has an ethereal beauty. The latticework on yellow sandstone is the main attraction for tourists and also among the most photographed monuments in all of Ahmedabad.

5. AKSHARDHAM TEMPLE



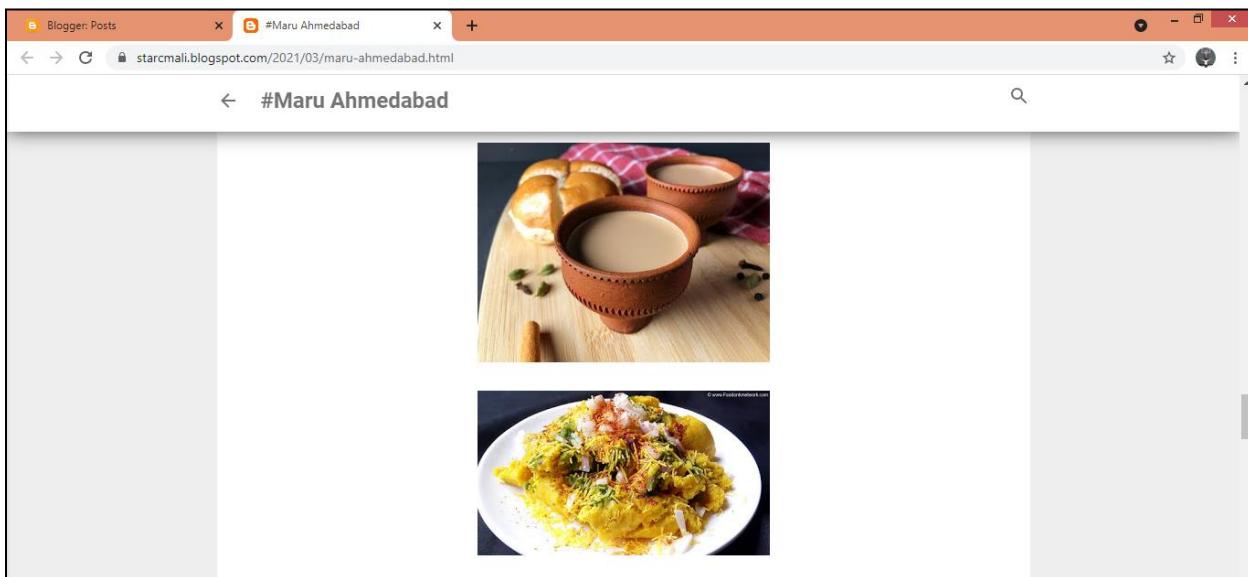
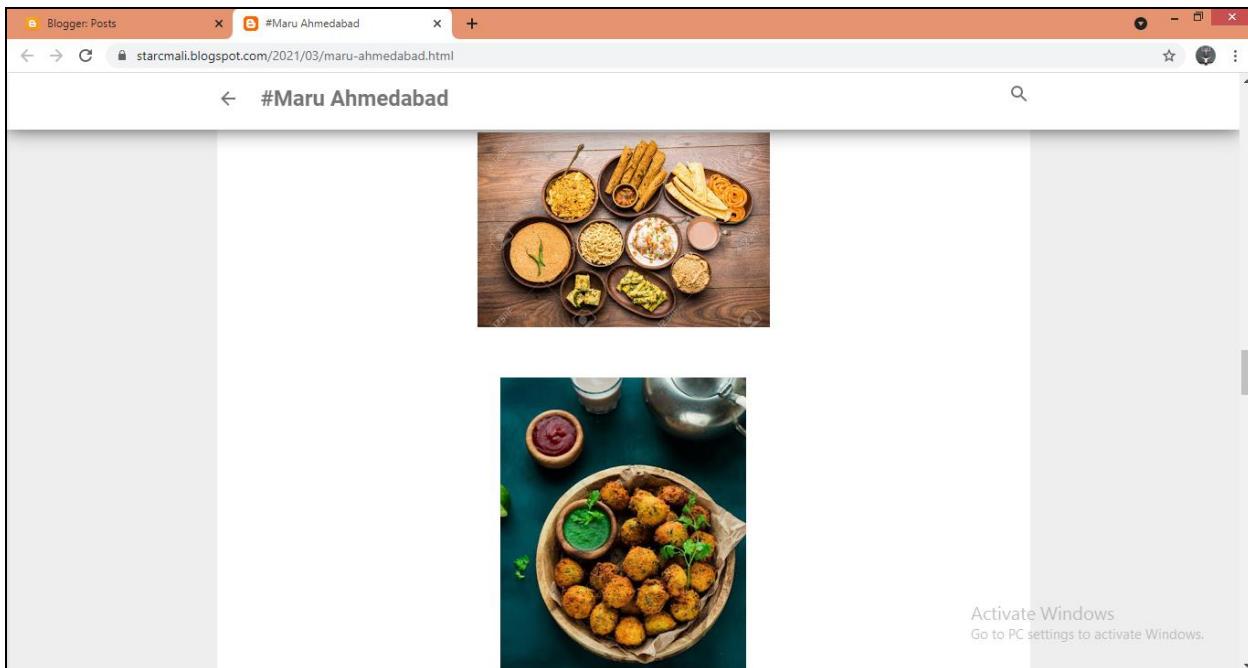
Activate Windows
Go to PC settings to activate Windows.

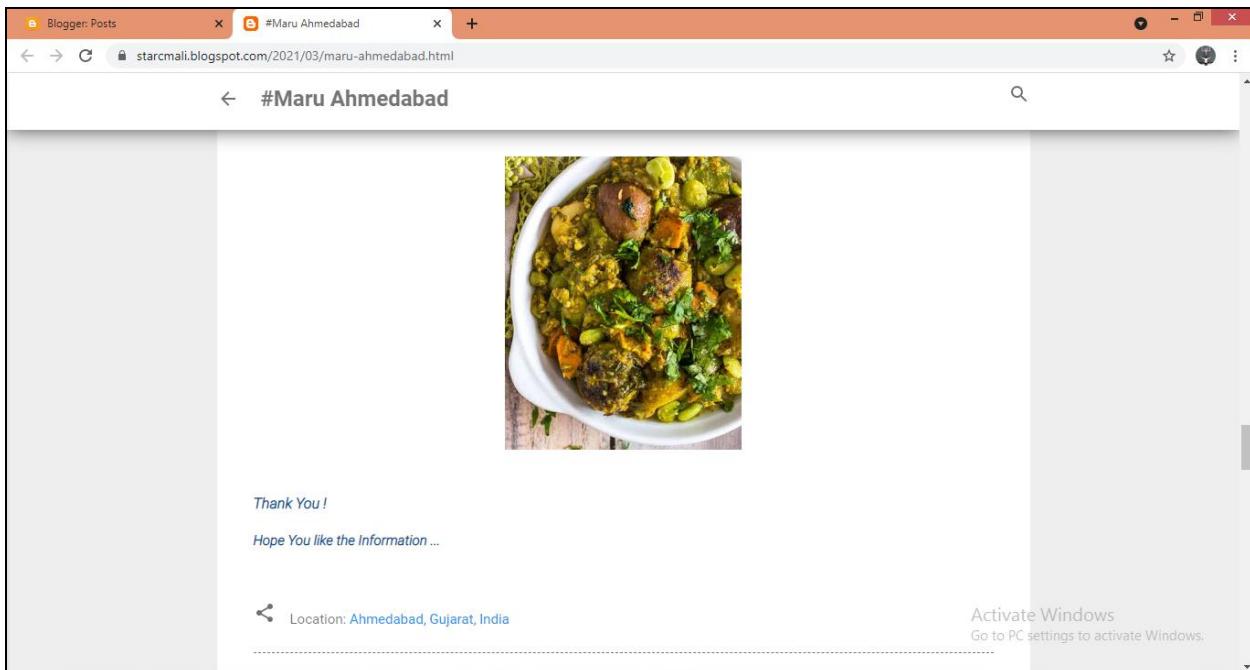
A screenshot of a web browser window displaying a blog post titled "#Maru Ahmedabad". The post content includes:

- Akshardham Temple is described as the most beautiful temple in India, with its gold-plated idol of Lord Swaminarayan.
- A section titled "More Places to Visit in Ahmedabad" lists various landmarks: Gujarat Science City, Sabarmati Riverfront, Adalaj Step Well, Nalsarovar Bird Sanctuary, Rani no hajiro (Queen's Tomb), Sarkhej Roza, Narendra Modi Stadium, The Pols, Law Garden, Auto World Vintage Car Museum, Iskcon Temple, Lal Darwaja, Shri Jagannath Temple, and many more.
- A section titled "Speciality of Ahmedabad" discusses Navratri, mentioning Garba and Dandiya, and describes Turban and Bandhani as specialties.
- A note at the bottom right of the post area says "Activate Windows".

A screenshot of a web browser window displaying a blog post titled "#Maru Ahmedabad". The post content includes:

- A note at the top of the post area: "Turban, Bandhani. The festival of Navratri is a worth to enjoy in Gujarat."
- A section titled "Scrumptious Food in Ahmedabad" lists various traditional Gujarati foods: Dhokla, Jaleb-Fafda, Patra, Sev Khamani, Dal vada, Gathiya, Khakhra, Methina Gota, Baji Paav, Khandvi, Surati Locho, Handvo, Muska ban, Chole Puri, Pani Puri, Thepla, Undhiyu, Farshan, and many more.
- A note at the bottom right of the post area says "Activate Windows".





PRACTICAL 7

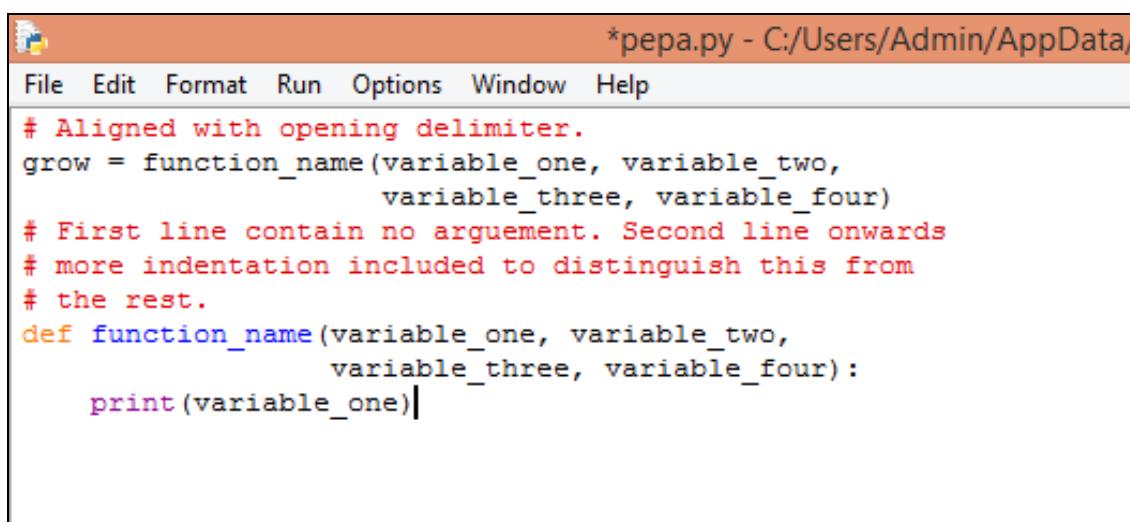
Implementing coding practices in python using PEP8

PEP8 is a style guide for python code. PEP stands for Python Enhancement Proposal , and they describe and document the way python language evolves. It is a document that describes new features proposed for python and document aspects of python, like design and style. It promotes a very readable and eye-pleasing coding style.

Important things to keep in my mind are :

1. Use 4-space indentation and no tabs.

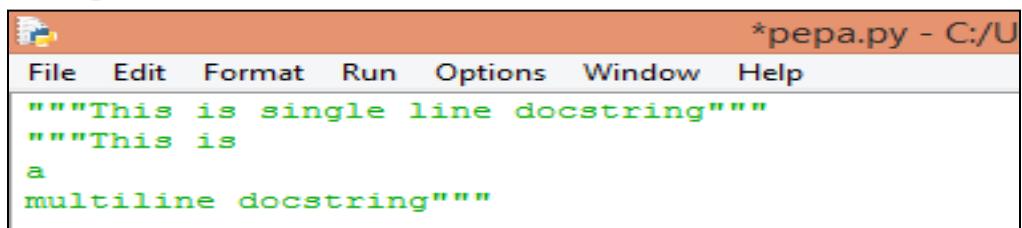
Examples :



```
# Aligned with opening delimiter.
grow = function_name(variable_one, variable_two,
                      variable_three, variable_four)
# First line contain no argument. Second line onwards
# more indentation included to distinguish this from
# the rest.
def function_name(variable_one, variable_two,
                  variable_three, variable_four):
    print(variable_one)
```

2. Use docstrings : there are both single and multi- line docstrings that can be used in python . However, the single line comment fits in one line, triple quotes are used in both the case. These are used to define a particular program or define a particular function.

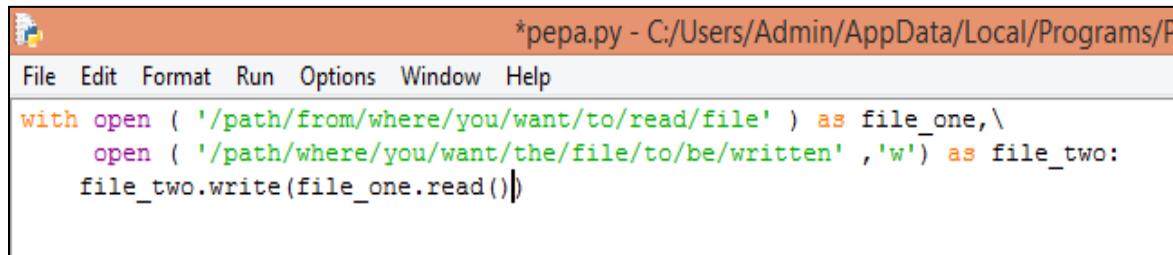
Example:



```
"""This is single line docstring"""
"""This is
a
multiline docstring"""
```

3. Wrap line so that they don't exceed 79 characters : The python standard library is conservative and requires limiting lines to 79 characters. The lines can be wrapped using parenthesis, brackets, and braces. They should be used in preference to backslashes.

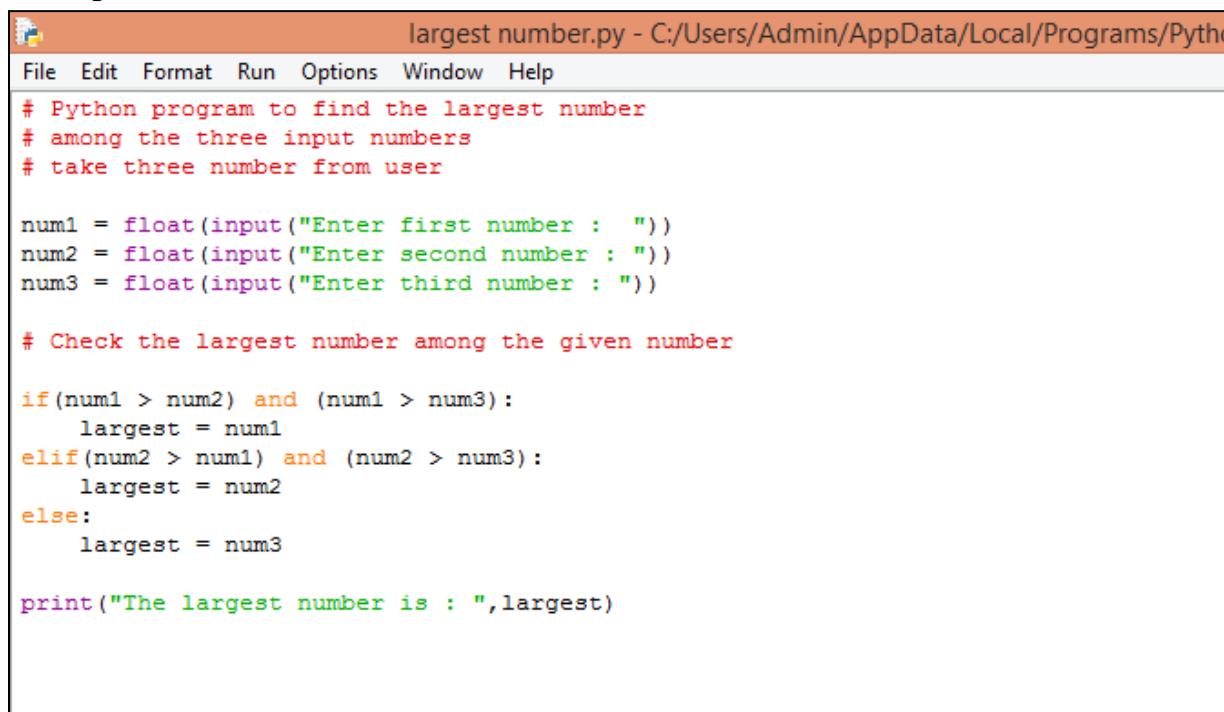
Example :



```
*pepa.py - C:/Users/Admin/AppData/Local/Programs/P
File Edit Format Run Options Window Help
with open ('/path/from/where/you/want/to/read/file') as file_one,\n
    open ('/path/where/you/want/the/file/to/be/written','w') as file_two:\n
    file_two.write(file_one.read())
```

4. While naming the function or methods always use self for the first argument. If the function argument name matches with reserved words then it can be written with a trailing comma.

Example :



```
largest number.py - C:/Users/Admin/AppData/Local/Programs/Pyt
File Edit Format Run Options Window Help
# Python program to find the largest number
# among the three input numbers
# take three number from user

num1 = float(input("Enter first number : "))
num2 = float(input("Enter second number : "))
num3 = float(input("Enter third number : "))

# Check the largest number among the given number

if(num1 > num2) and (num1 > num3):
    largest = num1
elif(num2 > num1) and (num2 > num3):
    largest = num2
else:
    largest = num3

print("The largest number is : ",largest)
```

**NAGINDAS KHANDWALA
COLLEGE AUTONOMOUS**

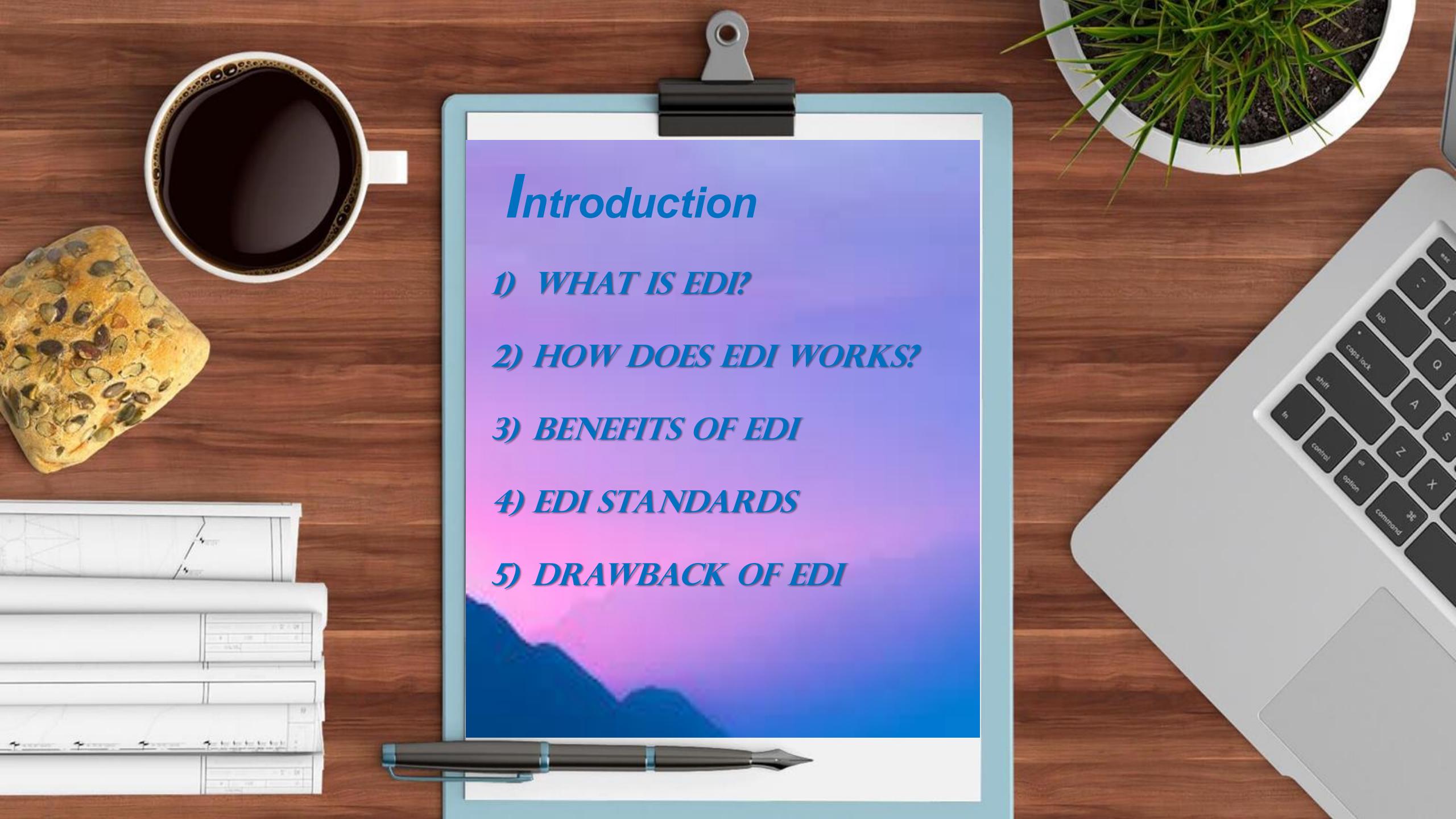
Group No. 7

Topic - EDI



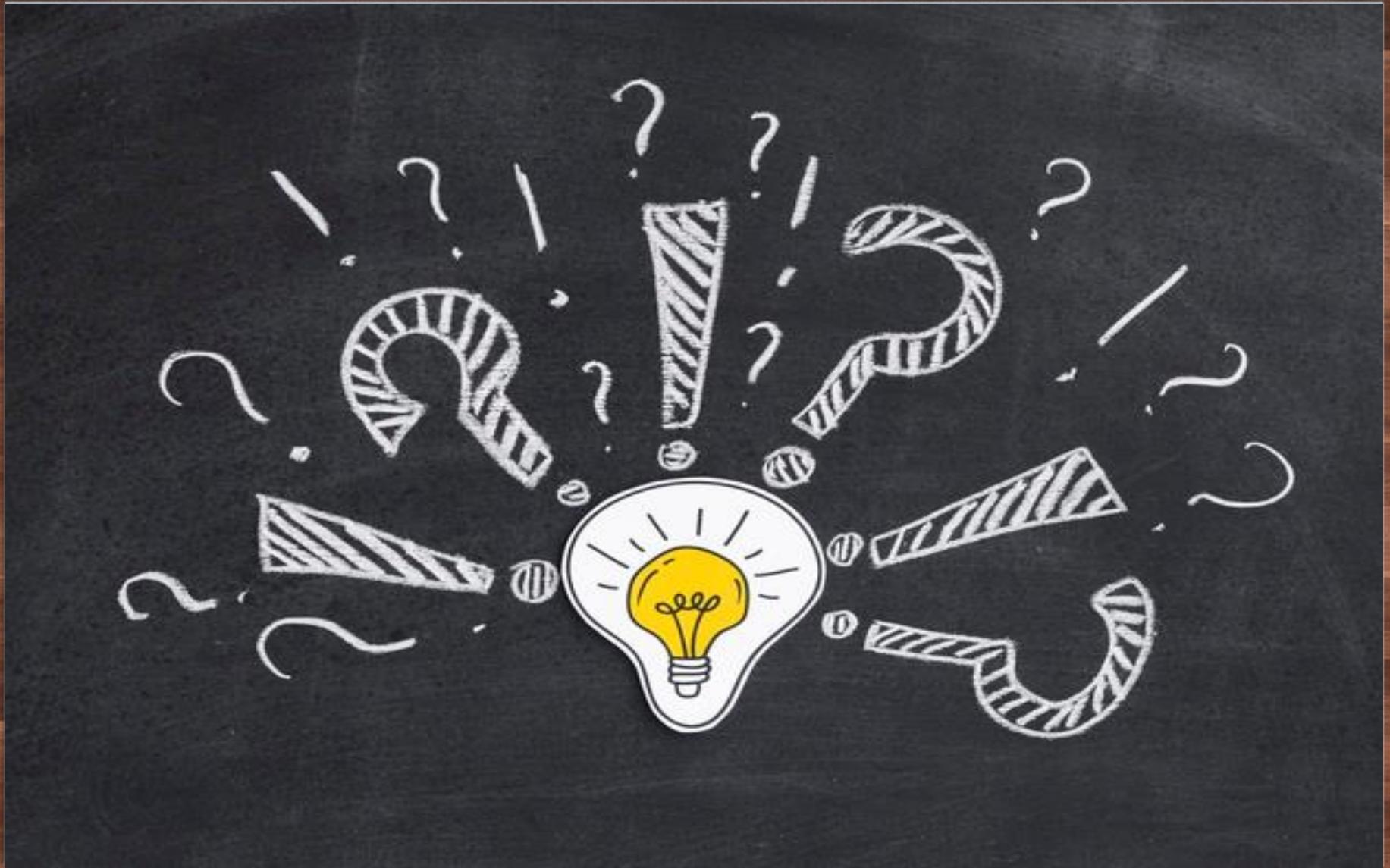
Introduction

- 1) WHAT IS EDI?***
- 2) HOW DOES EDI WORKS?***
- 3) BENEFITS OF EDI***
- 4) EDI STANDARDS***
- 5) DRAWBACK OF EDI***



1. What is EDI?



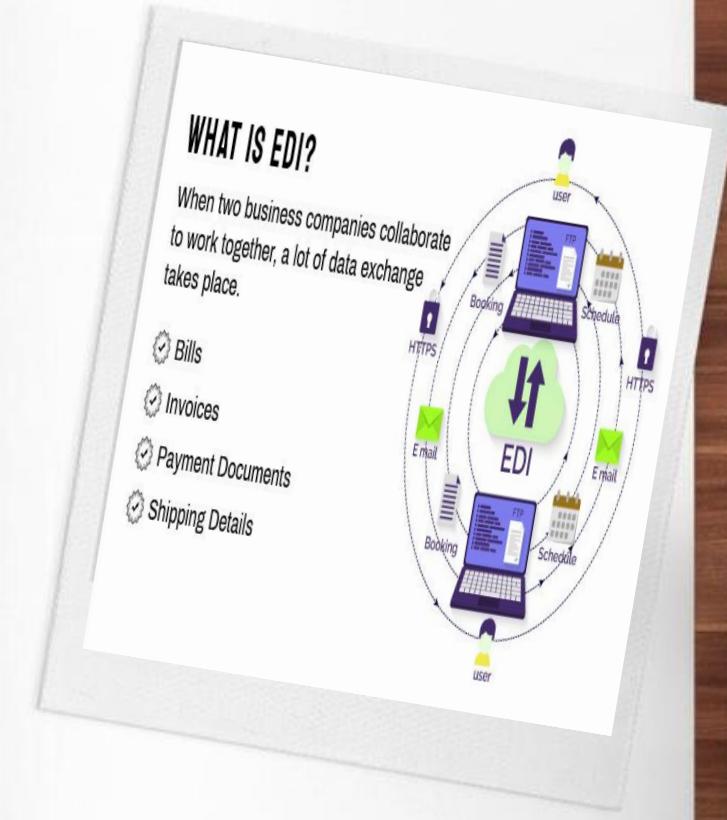


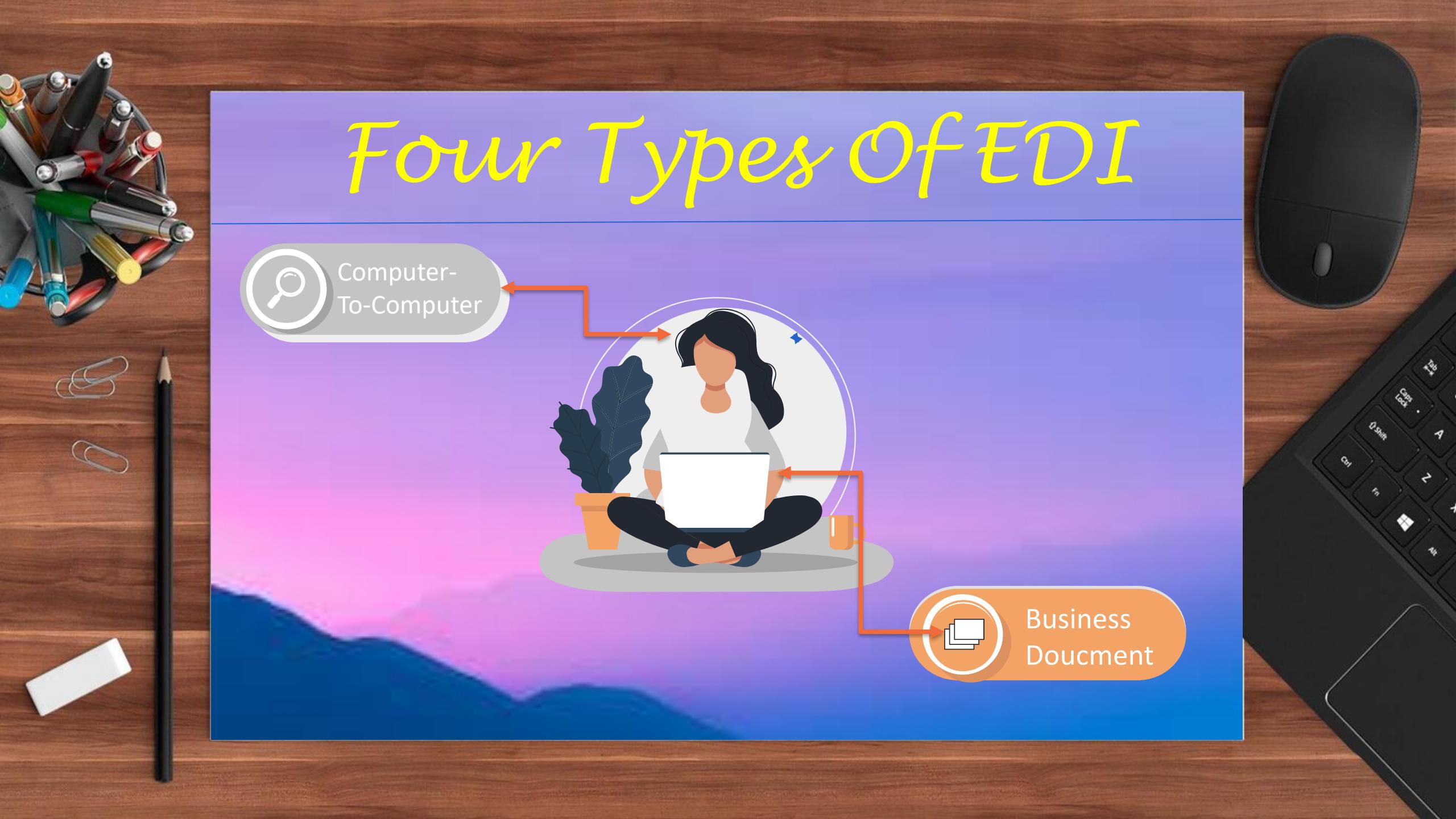
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21



What is EDI?

“Electronic Data Interchange (EDI) is the computer-to-computer exchange of business documents in a standard electronic format between business partners.”





Four Types Of EDI



Computer-
To-Computer



Business
Document



Standard
Format



Business
Partners

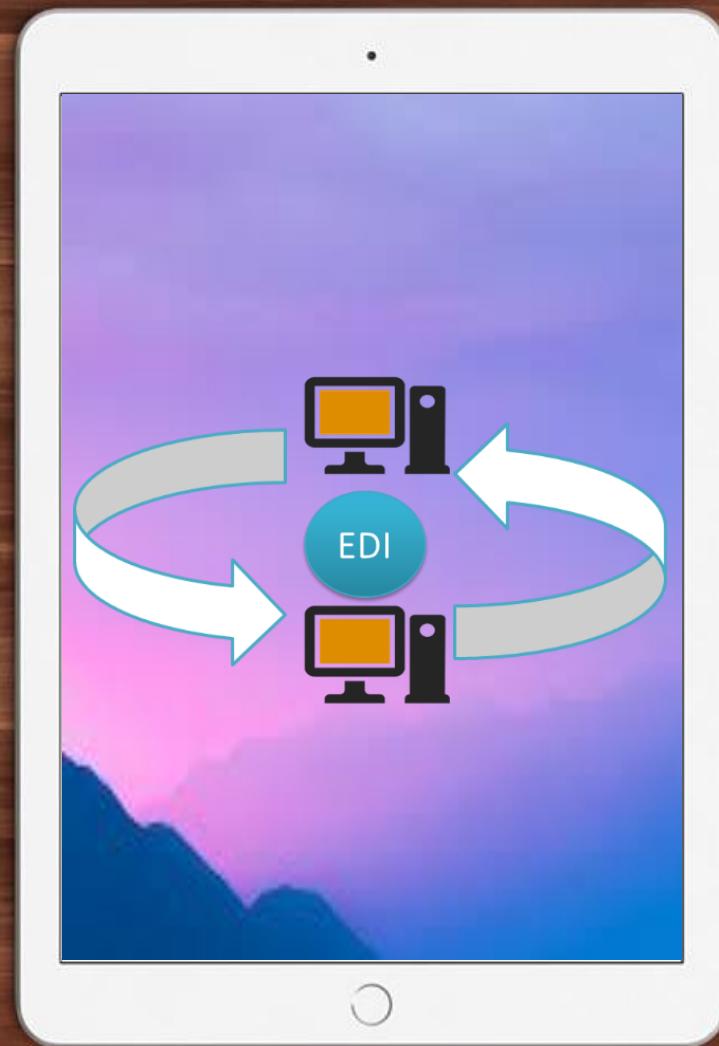


A typical manual process looks like this, with lots of paper and people involvement:





The EDI process looks like this – no paper, no people involved:



UNA:+.?*
UNB+UNOC:4+SENDERID:ZZ+RECEIVERID:ZZ+20200901:0201+12911+++++1'
UNH+1+ORDERS:D:01B:UN:EAN010'
BGM+220+L8266355+9'
DTM+137:20080901:102'
NAD+BY+CUSTOMERID'
NAD+SU+SUPPLIERID'
RFF+YC1:VENDORCODE'
NAD+DP+SHIPTO'
RFF+YC1:1234567'
LIN+1++EAN1234567890:EN'
PIA+5+CUSTCODE678:IN'
QTY+21:108:PCE'
UNS+S'
UNT+12+1'
UNZ+1+12911'

Example



MADE BY ATUL AND SUDHIR

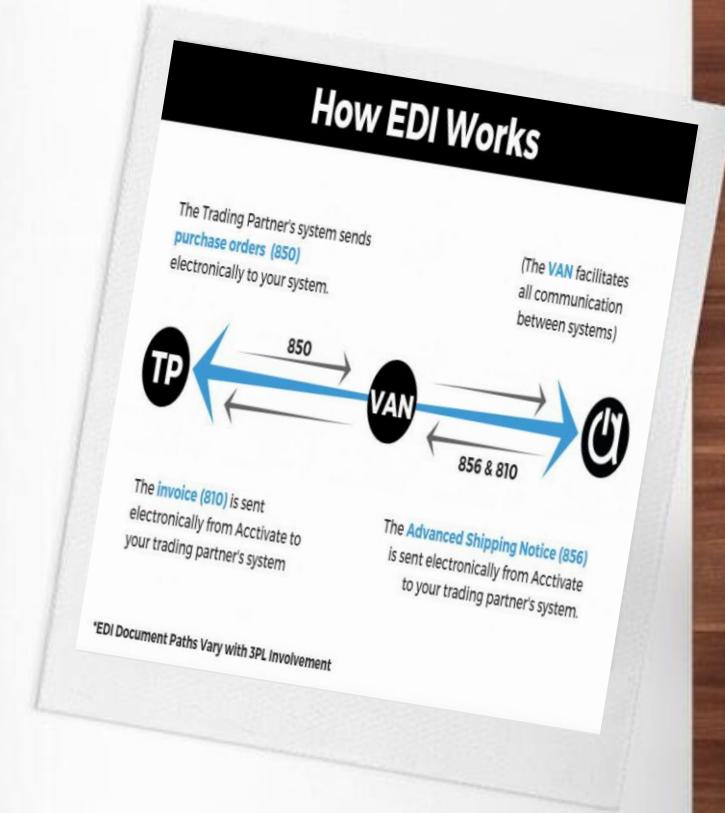
2.

How Does
EDI Works



How Does EDI Work?

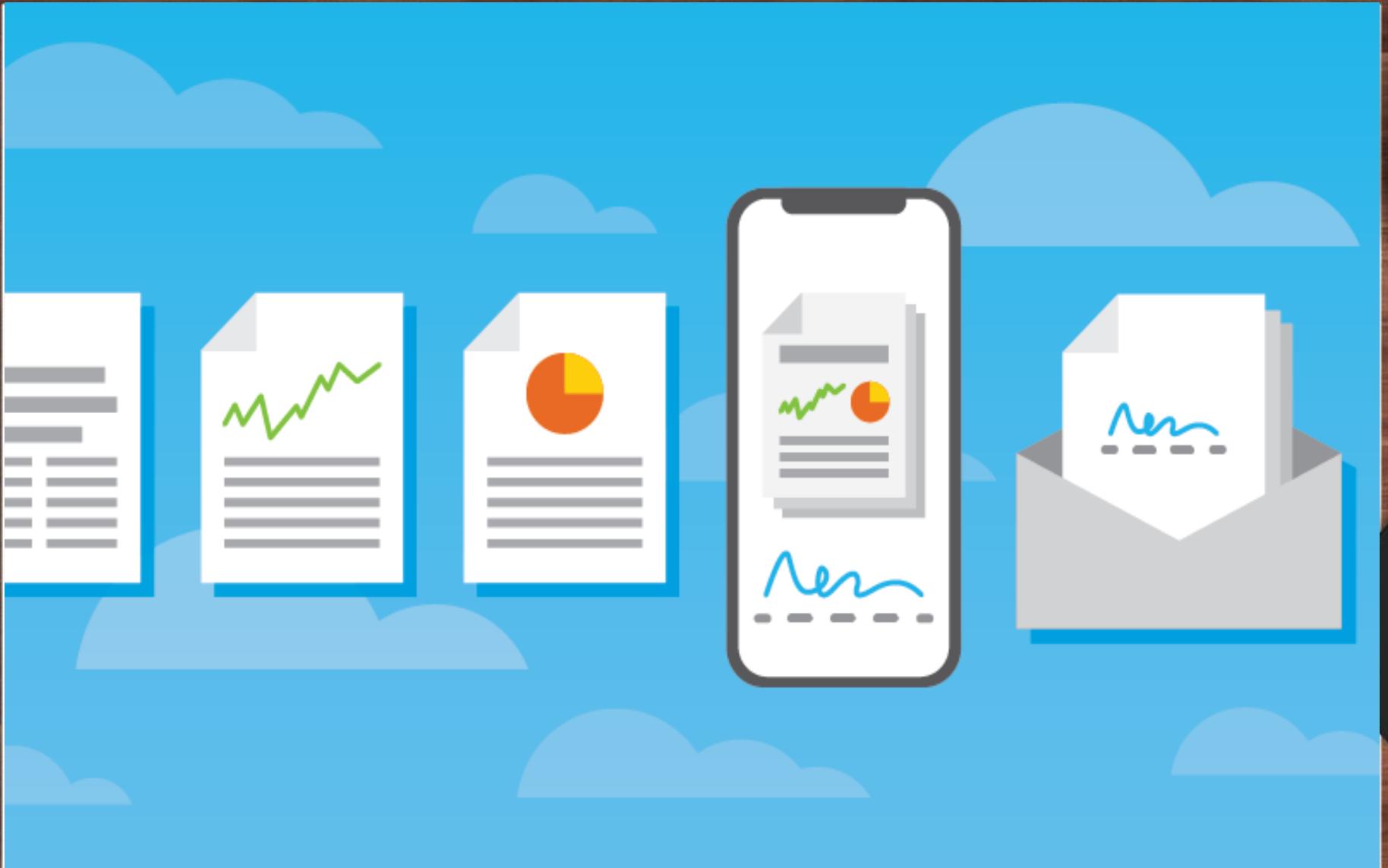
There are 3 steps to sending EDI documents – Prepare the documents, Translate the documents into EDI format, Transmit the EDI documents to your partner.



Four Steps for working in EDI Works

01

**STEP1: PREPARE THE
DOCUMENT TO BE
SENT**





03

STEP3: CONNECT AND TRANSMIT YOUR EDI DOCUMENT TO YOUR BUSINESS PARTNER

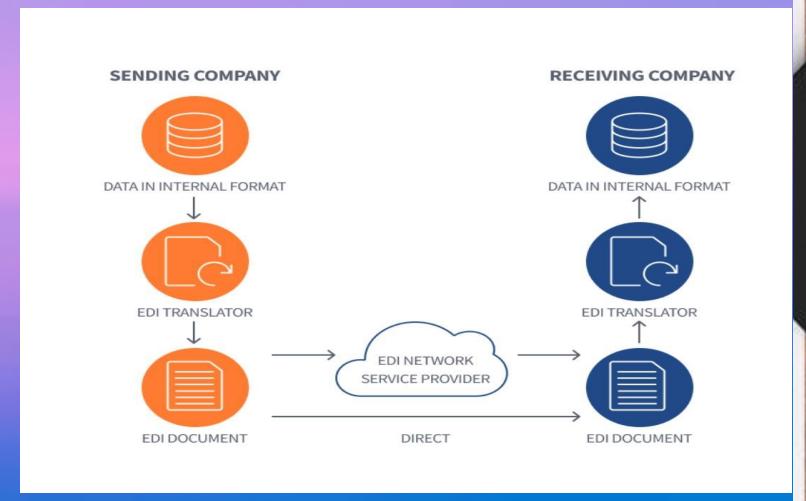


02

STEP2: TRANSLATE THE DOCUMENT INTO EDI FORMAT

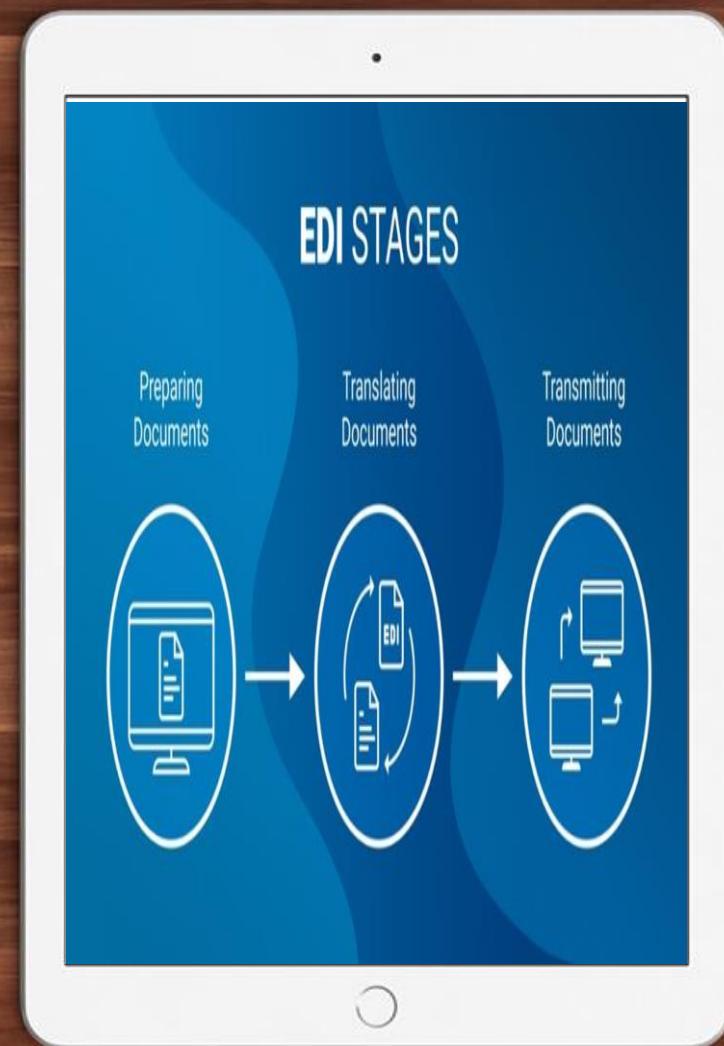


POS.	SEG. ID	NAME	USAGE	REPEAT	LOOP REPEAT
0100	ST	Transaction Set Header	R	1	
0200	AK1	Functional Group Response Header	R	1	
LOOP ID - 2000 - AK2 TRANSACTION SET RESPONSE HEADER					
0300	AK2	Transaction Set Response Header	S	1	
LOOP ID - 2100 - AK2/IK3 ERROR IDENTIFICATION					
0400	IK3	Error Identification	S	1	
0500	CTX	Segment Context	S	9	
0500	CTX	Business Unit Identifier	S	1	
LOOP ID - 2110 - AK2/IK3/IK4 IMPLEMENTATION DATA ELEMENT NOTE					
0600	IK4	Implementation Data Element Note	S	1	
0700	CTX	Element Context	S	10	
0800	IK5	Transaction Set Response Trailer	R	1	
0900	AK9	Functional Group Response Trailer	R	1	
1000	SE	Transaction Set Trailer	R	1	

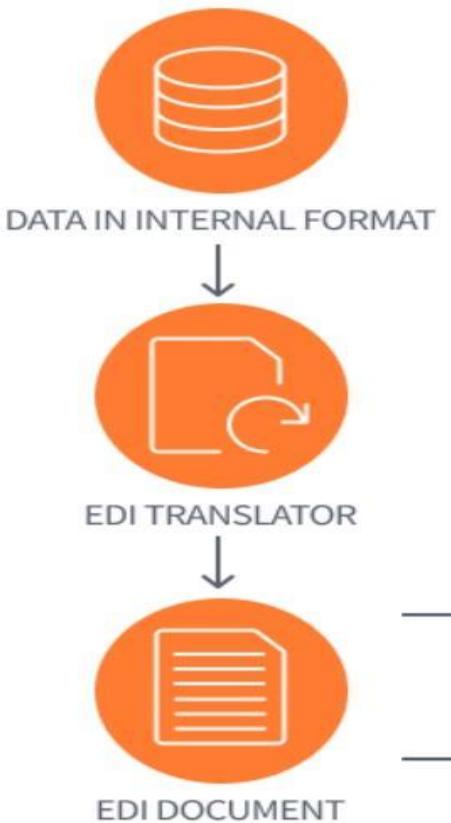




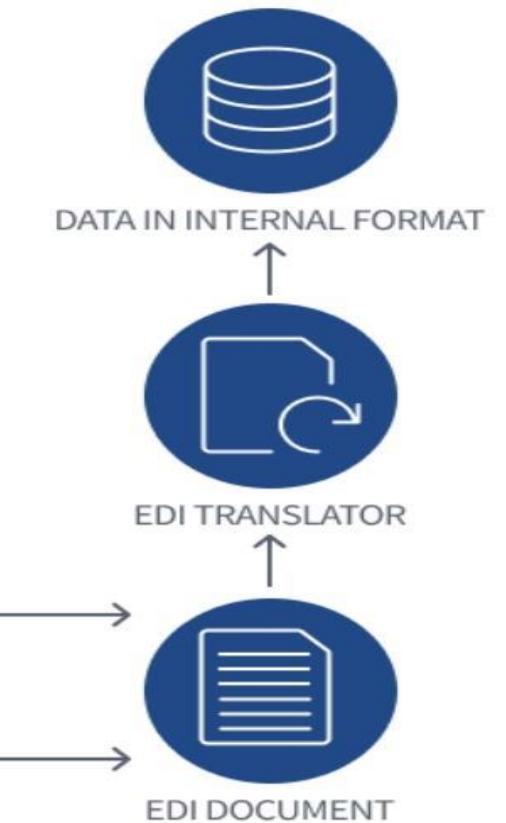
Example for
EDI
Document:-



SENDING COMPANY



RECEIVING COMPANY



DIRECT

Example

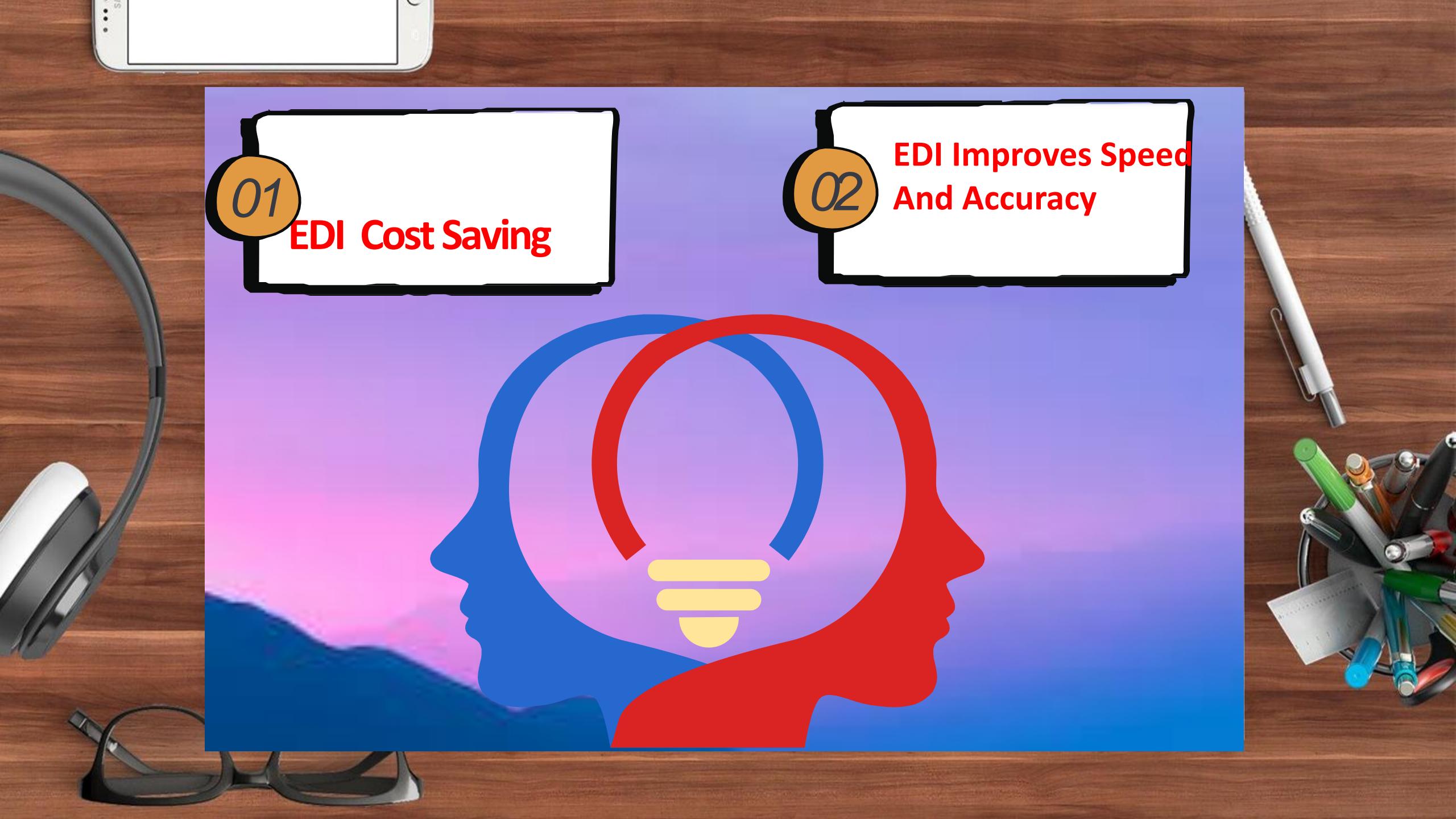
3.
Benefits Of EDI



Benefits Of EDI(Electronic Data Interchange)

- EDI continues to prove its major business value by lowering costs, improving speed, accuracy and business efficiency. The greatest EDI benefits often come at the strategic business level.
- EDI continues to prove its worth as an electronic message data format. This research states that “the annual volume of global EDI transactions exceeds 20 billion per year and is still growing.”
- For buyers that handle numerous transactions, using EDI can result in millions of dollars of annual savings due to early payment discounts





01

EDI Cost Saving

02

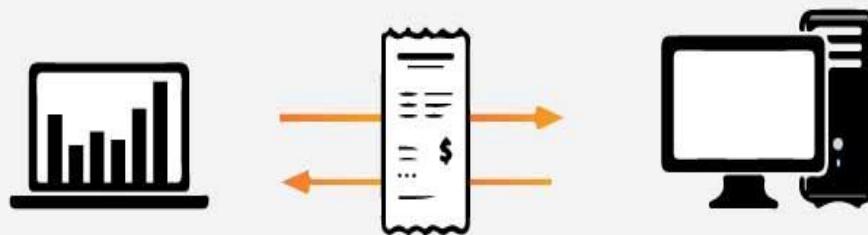
**EDI Improves Speed
And Accuracy**



EDI ELECTRONIC DATA INTERCHANGE



TRADITIONAL
DATA
INTERCHANGE

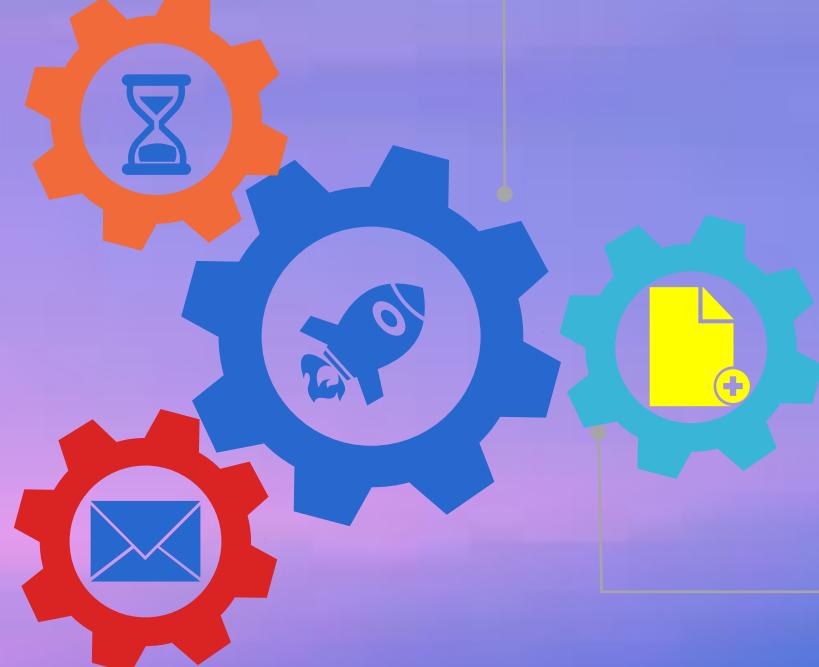


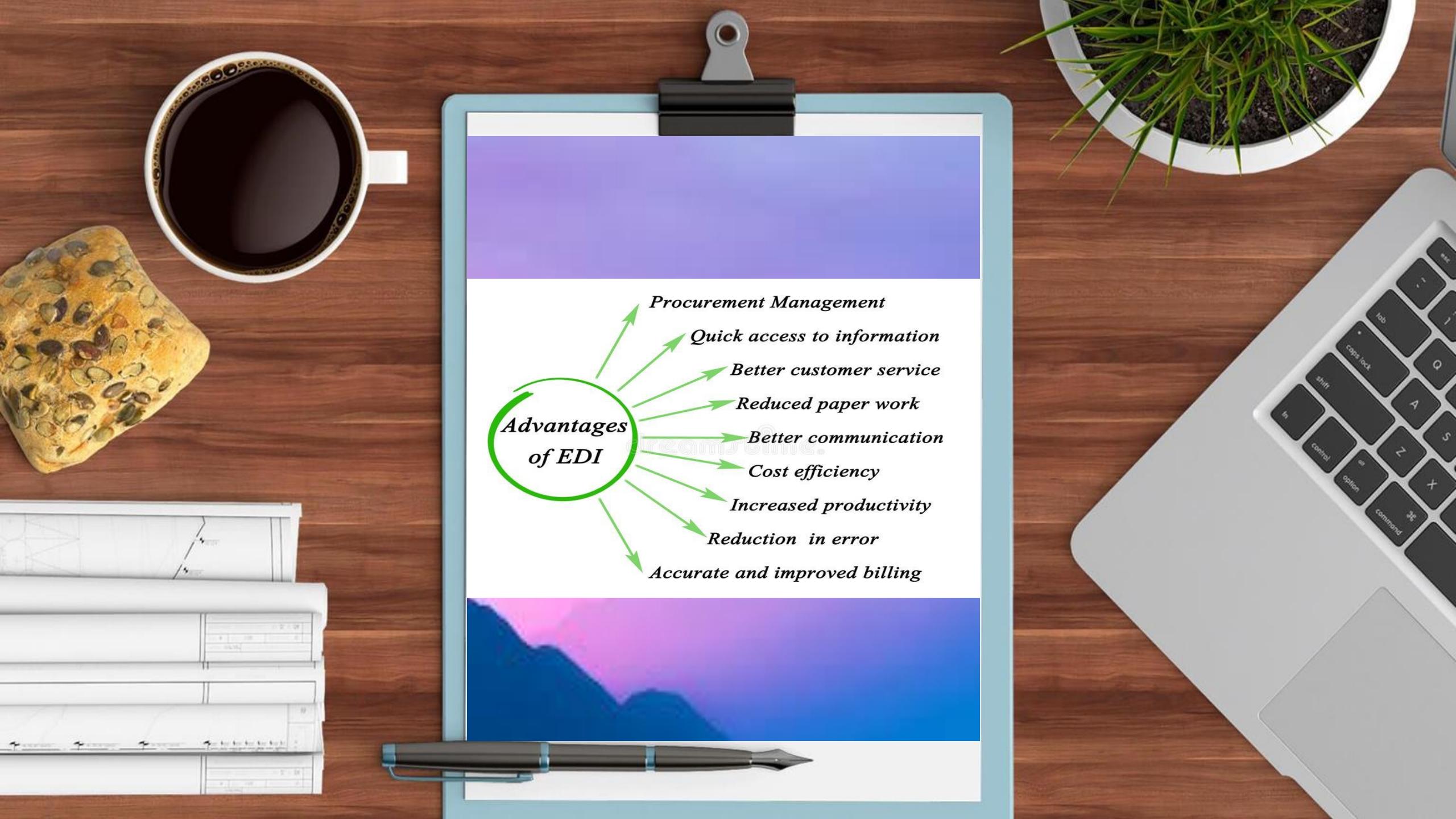
03

EDI's Impact on Business Strategy

04

EDI's Effect on Business Efficiency





- Advantages of EDI*
- Procurement Management
 - Quick access to information
 - Better customer service
 - Reduced paper work
 - Better communication
 - Cost efficiency
 - Increased productivity
 - Reduction in error
 - Accurate and improved billing

MADE BY KAUSHIK AND YASH

4. EDI Standards



EDI Standards

01

Technical basis for
automated commercial

02

Designed initially in
automotive industry

03

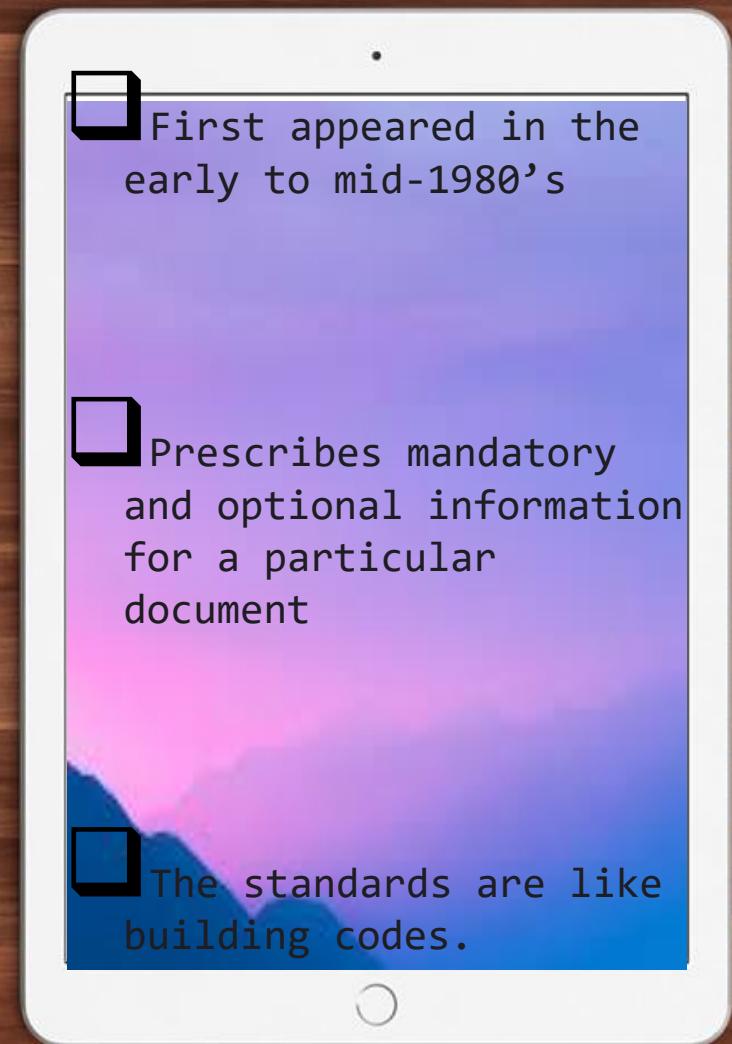
Same document found
in a Paper document

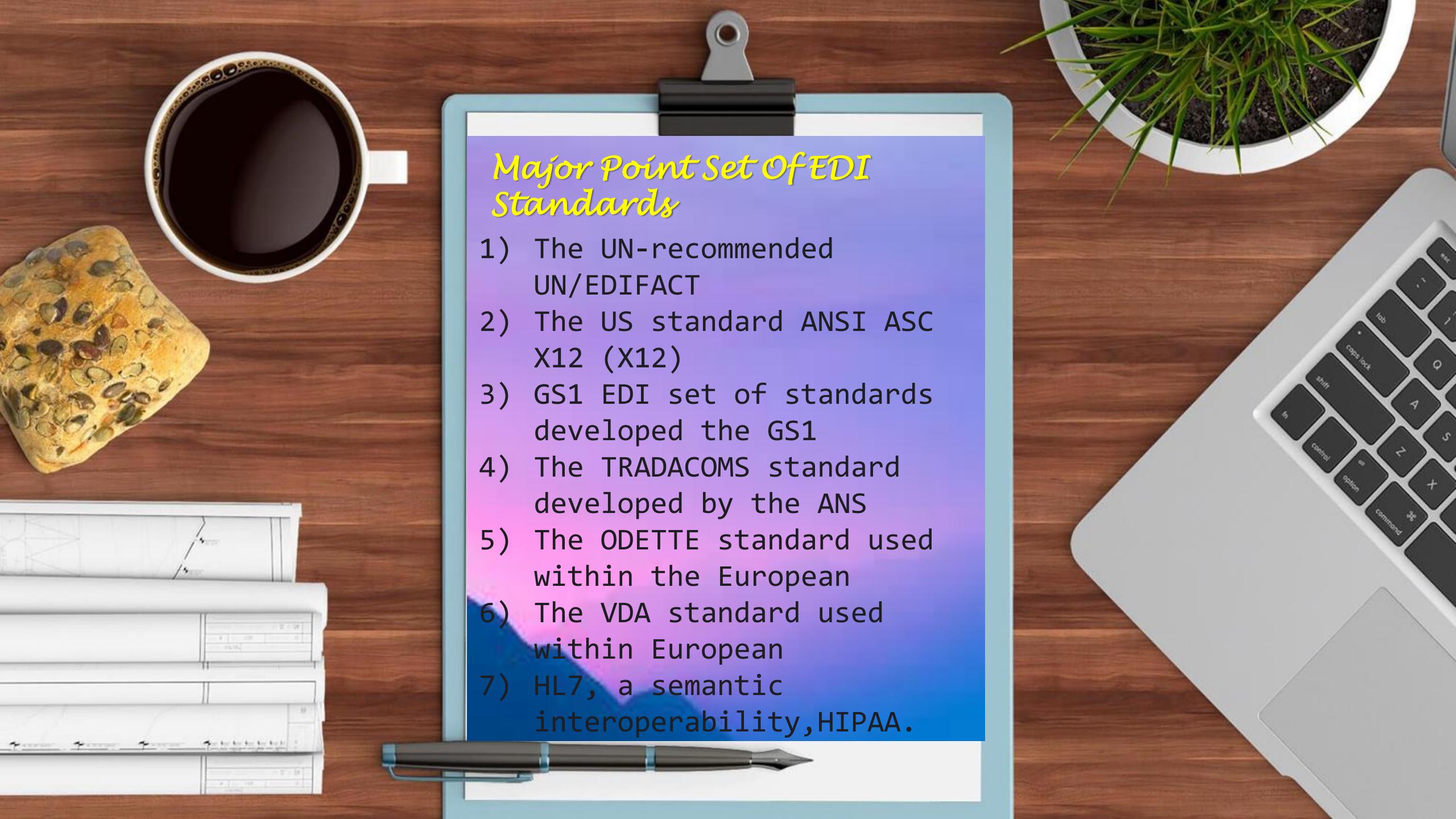




XEDI

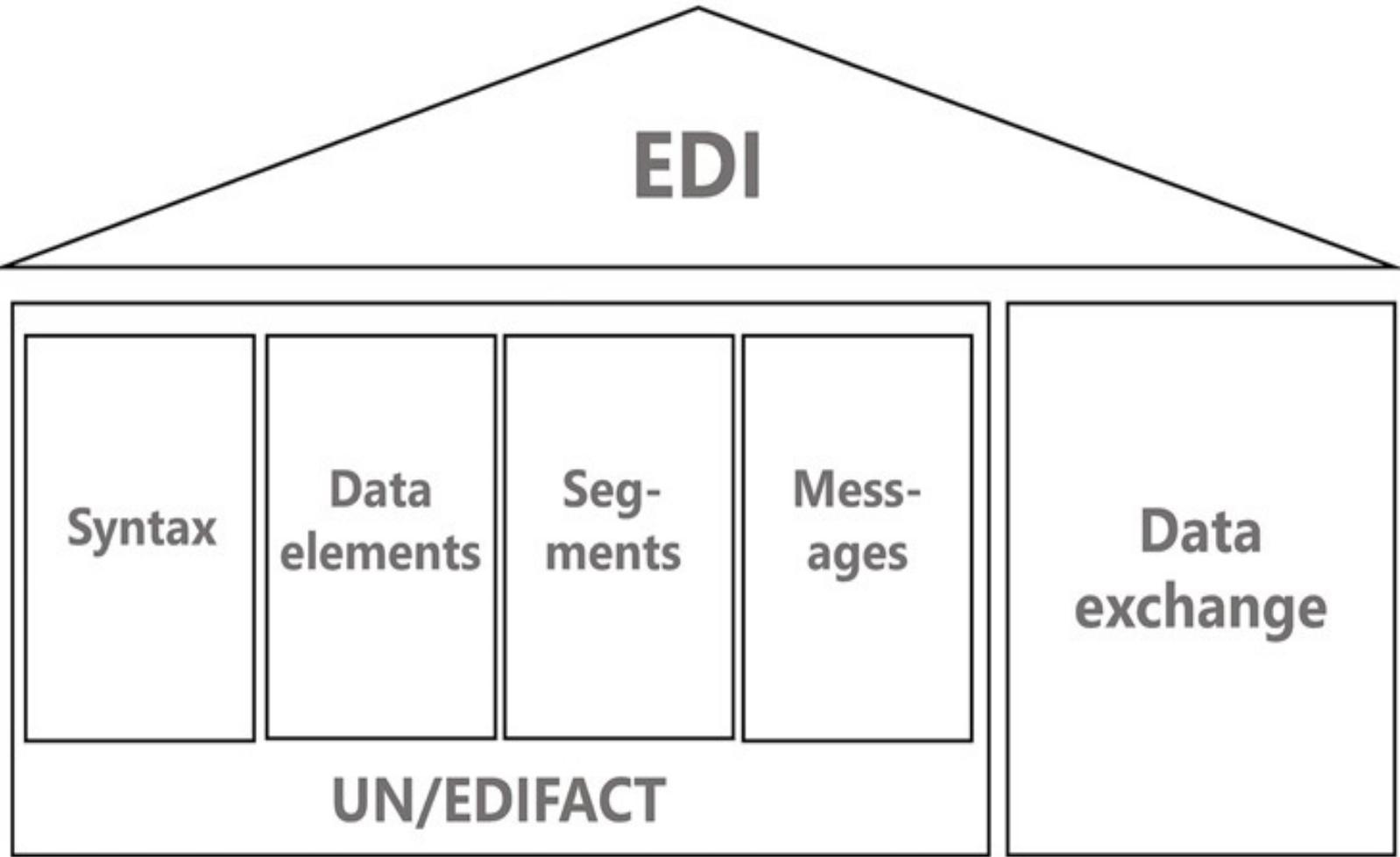
EDI Standards





Major Point Set Of EDI Standards

- 1) The UN-recommended UN/EDIFACT
- 2) The US standard ANSI ASC X12 (X12)
- 3) GS1 EDI set of standards developed by the GS1
- 4) The TRADACOMS standard developed by the ANS
- 5) The ODETTE standard used within the European
- 6) The VDA standard used within European
- 7) HL7, a semantic interoperability, HIPAA.



- 8) IATA Cargo-IMP
- 9) NCPDP SCRIPT
- 10) EDIGAS

EDI standards



MADE BY RAJESH AND KASHINATH

5. Drawbacks Of EDI



Drawbacks Of EDI

- **Expensive**

Setup and maintenance of some of the formats of EDI is expensive.

- **Initial setup is time consuming**

Initial cost to setup EDI is time consuming.

- **EDI standard changes**

The business process depends on EDI standard format. If any of the standard format changes then the business process has to be changed accordingly.



Drawbacks Of EDI



Expensive



EDI Standard
Changes



Initial setup is
Time Consuming

