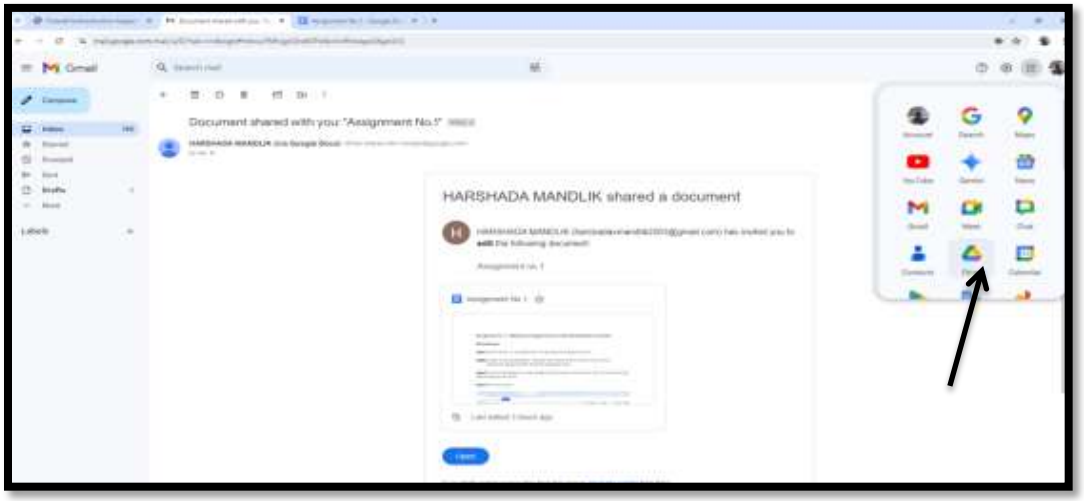
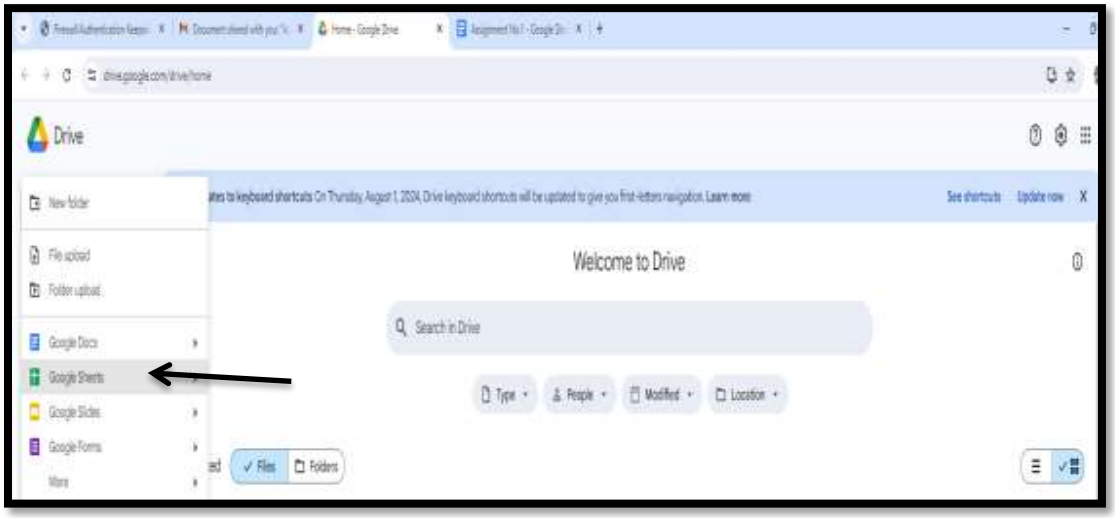
Assignment No. 1: Working on Google Drive to make Spreadsheets and Notes.

Spreadsheets:

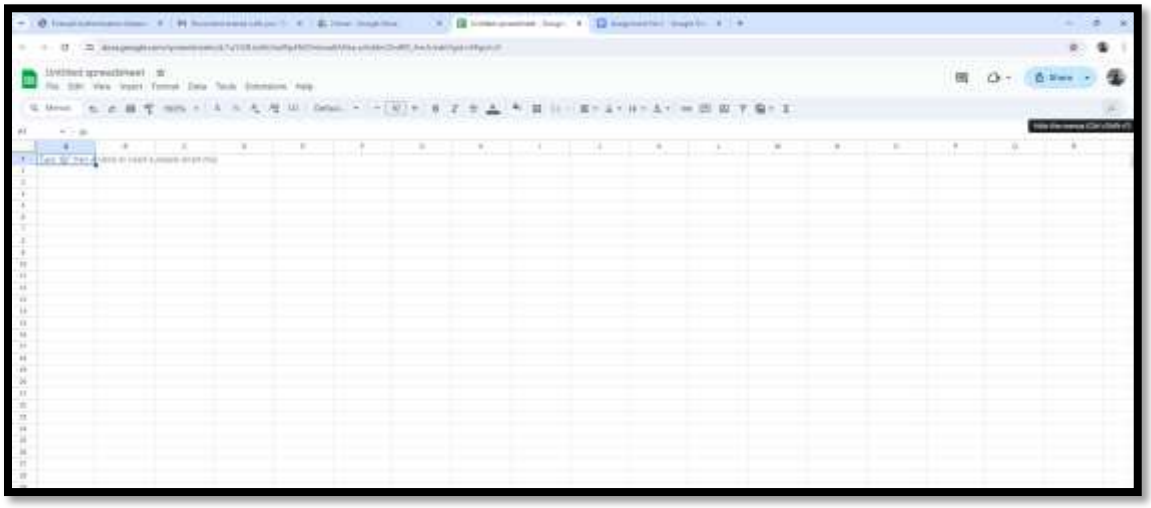
Step1: Open G-mail account and Go on Google drive.



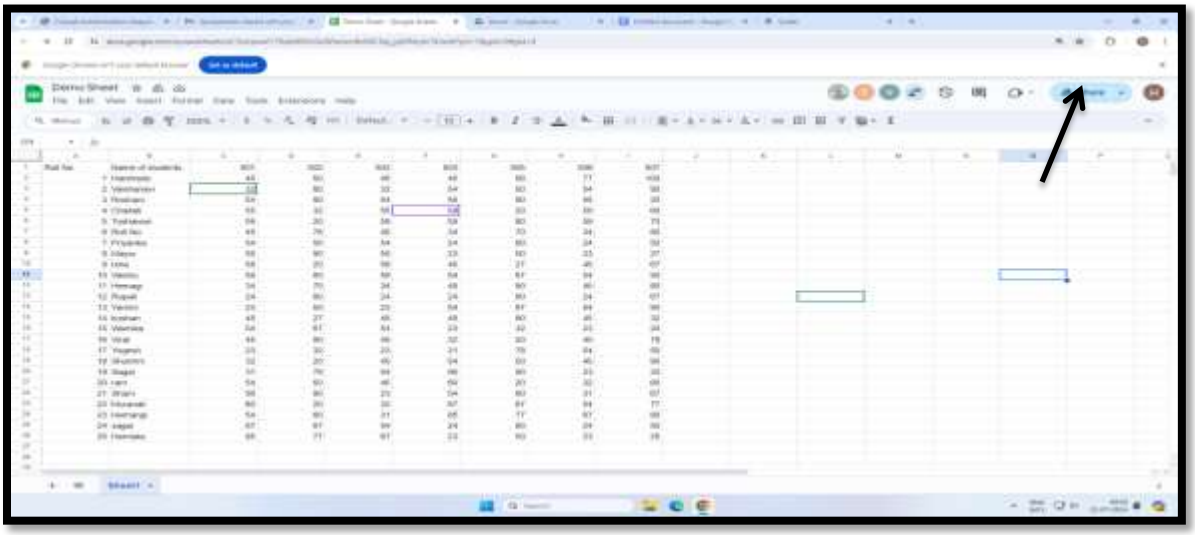
Step2: Click the new button on the left side of the screen. Select the “google sheets” from the drop-down menu.



Step3: A new Google sheet document will be open. You can start entering data directly into the cells.

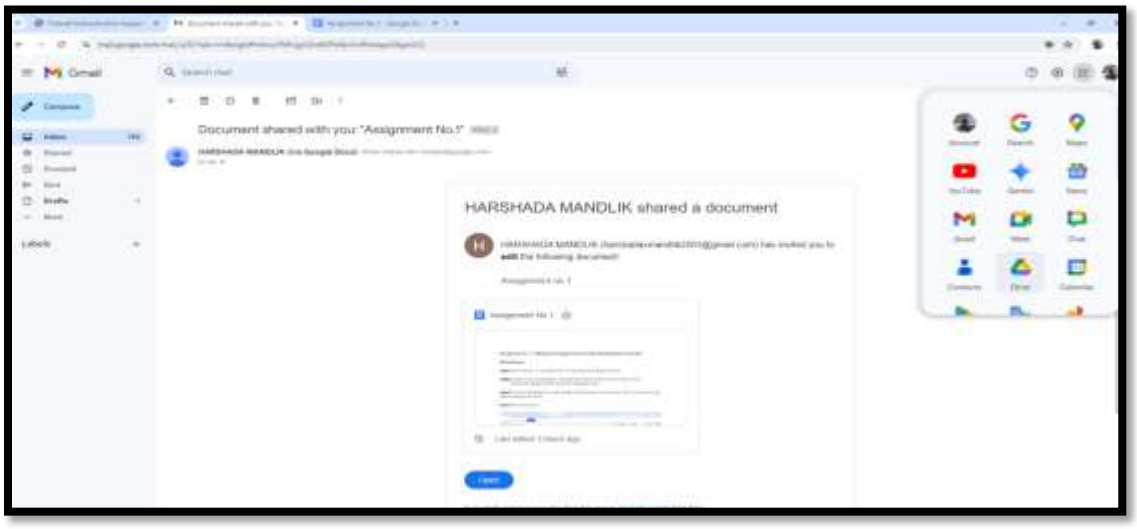


Step4: Save and share.



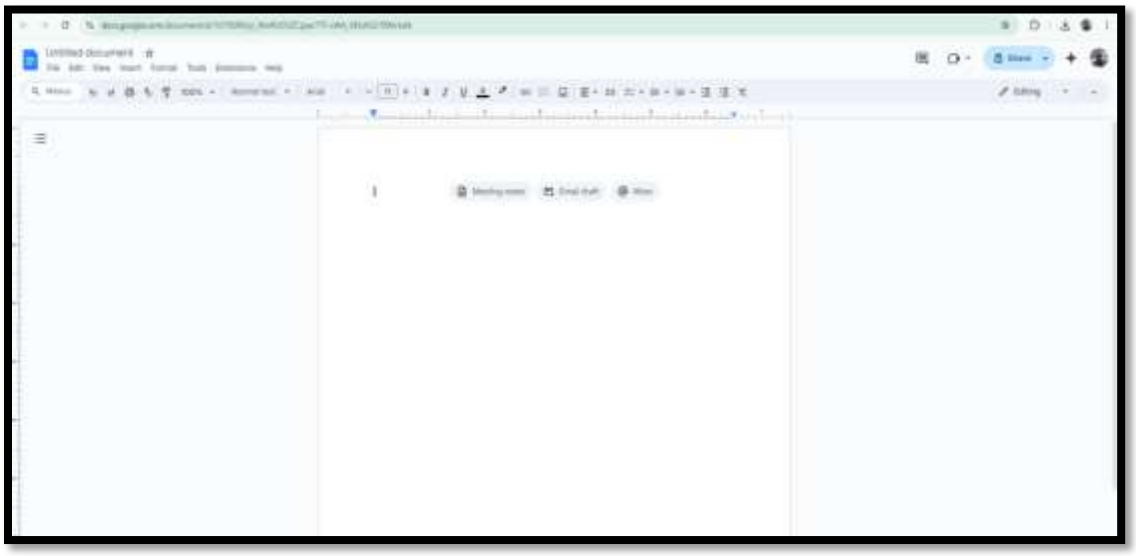
Google Document: Creating notes on Google drive

Step1: Open Google drive.



Step2: Create a new document. Click the new button in the upper left corner of the screen. Select the “Google docs” from the dropdown menu.

Step3: Edit the document. A new Google docs document will be open. You can start typing your notes.

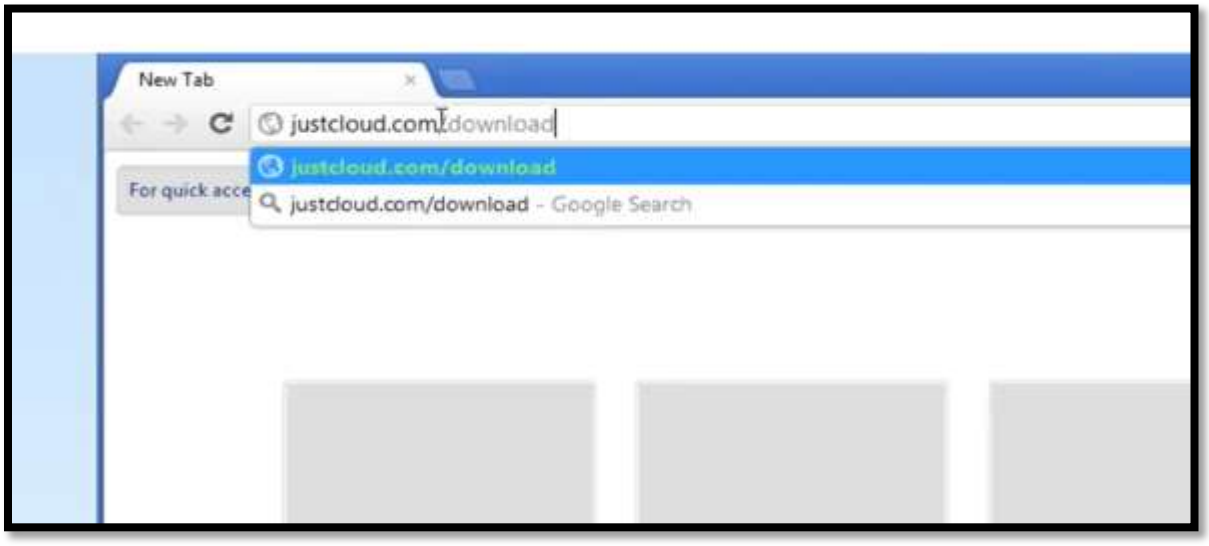


Step4: Save and share.

Assignment No. 2: Installation and Configuration of Just cloud.

Step1: Download the Installeation

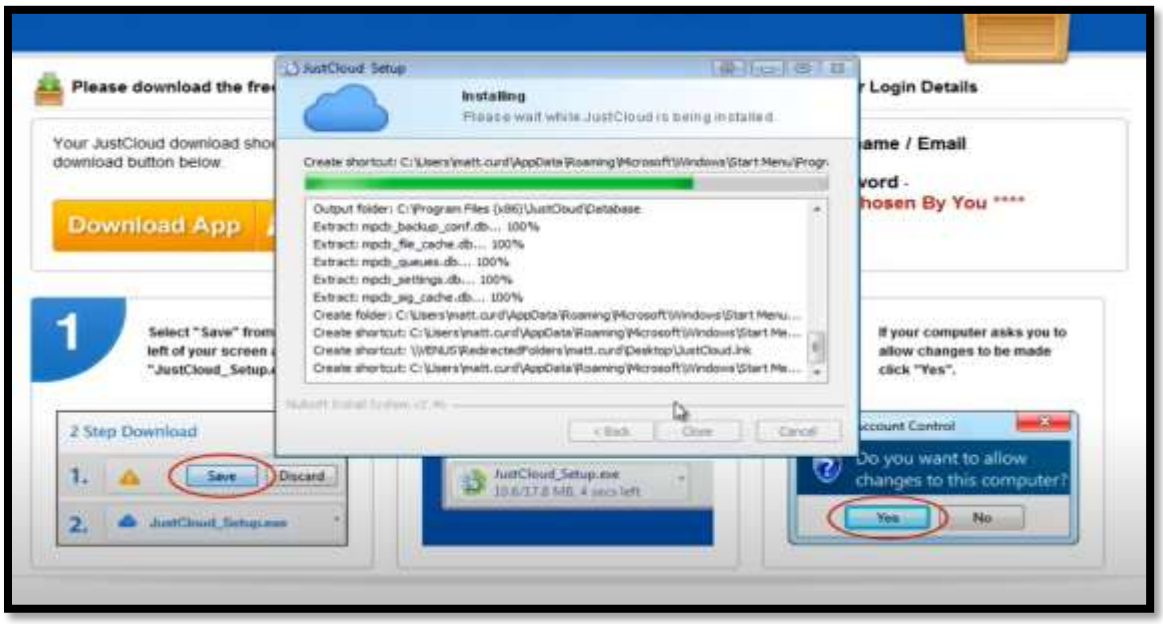
Visit the "JustCloud website" and locate the download section.



Choose the appropriate version for your operating system (Windows, macOS, etc.) and download the installer.

Step2: Run the Installer

Double-click the downloaded file to start the installation process .Click on "Install" and follow the on-screen instructions. Accept the terms and choose where to install the app if prompted.



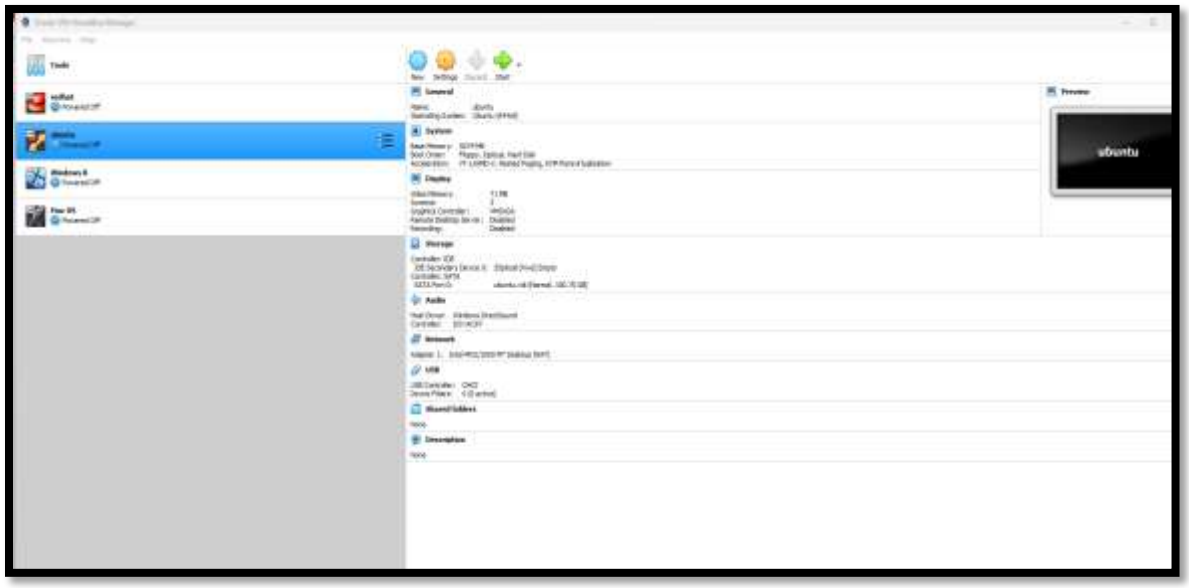
On Windows, you might need to grant permission for the installer to make changes to your system.

Step3: Complete Installation

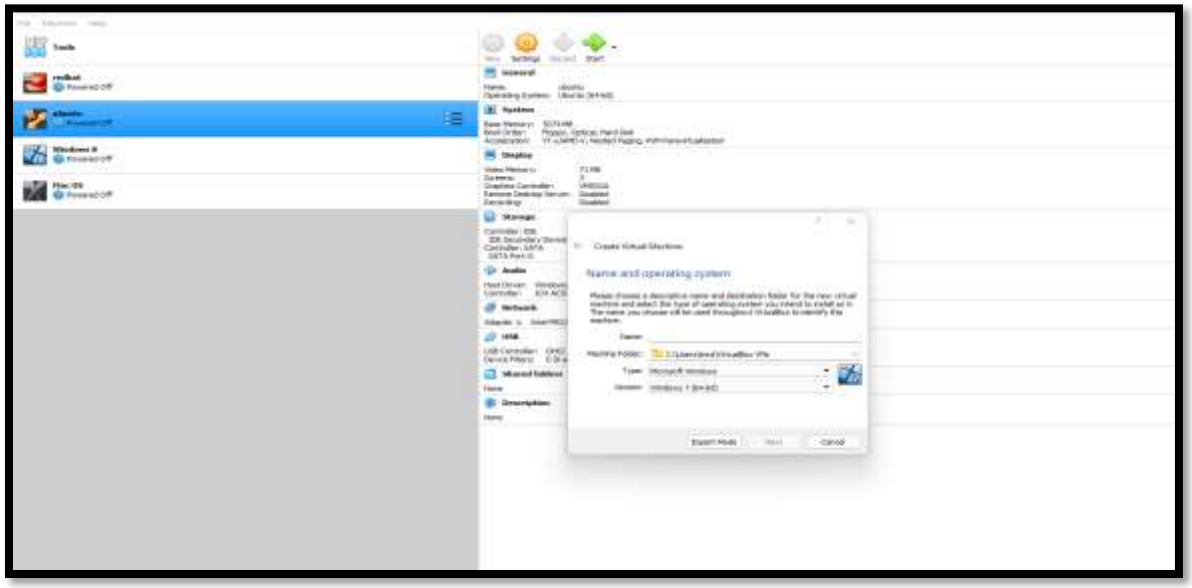
Once the installation is complete, the JustCloud application should start automatically.

Assignment No. 3: Implementing Virtual Machines with Virtual Box.

Step1: Click on the Virtual Box Manager window.

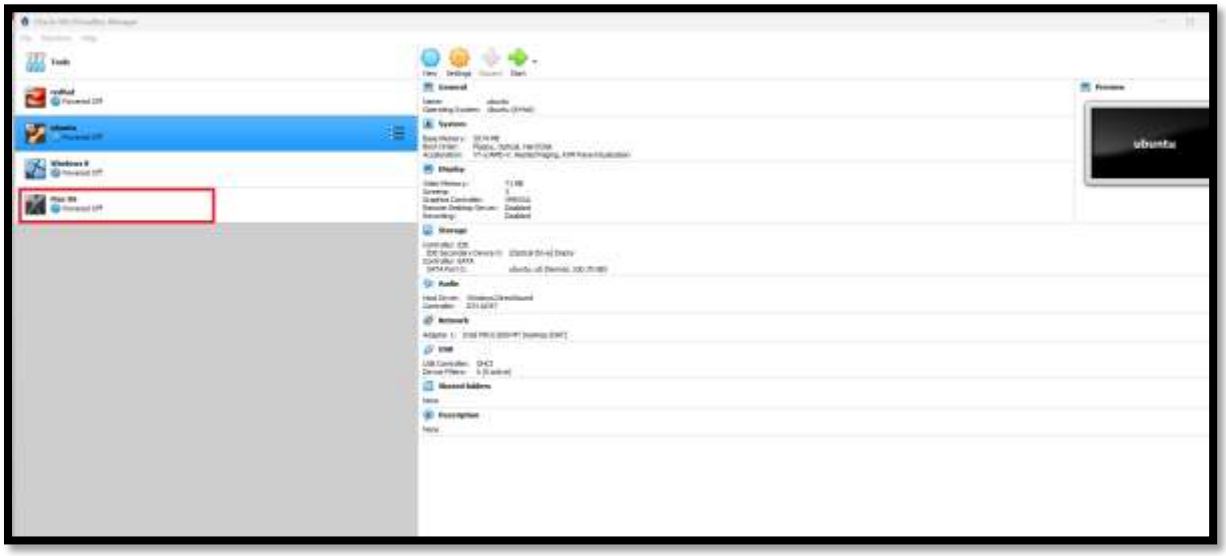


Step2: Click the “New” button in the Virtual Box Manager window.



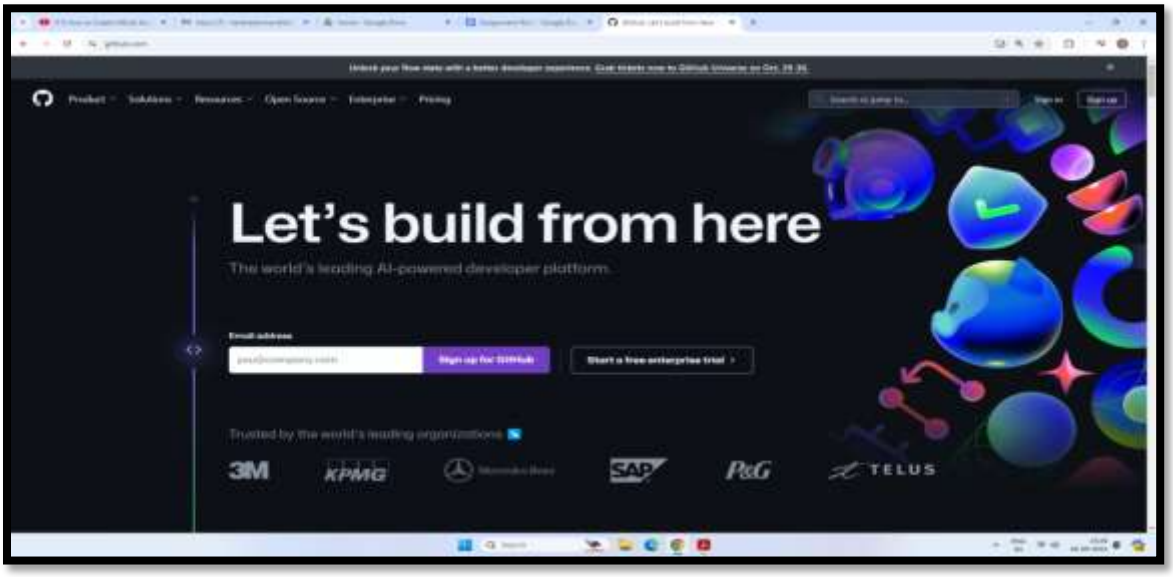
Step3: Click on the ”next button” in given dialogue box. And final window to show on screen the click in “Create button”.

Step4: Create and add the operating system in Virtual Box manager.

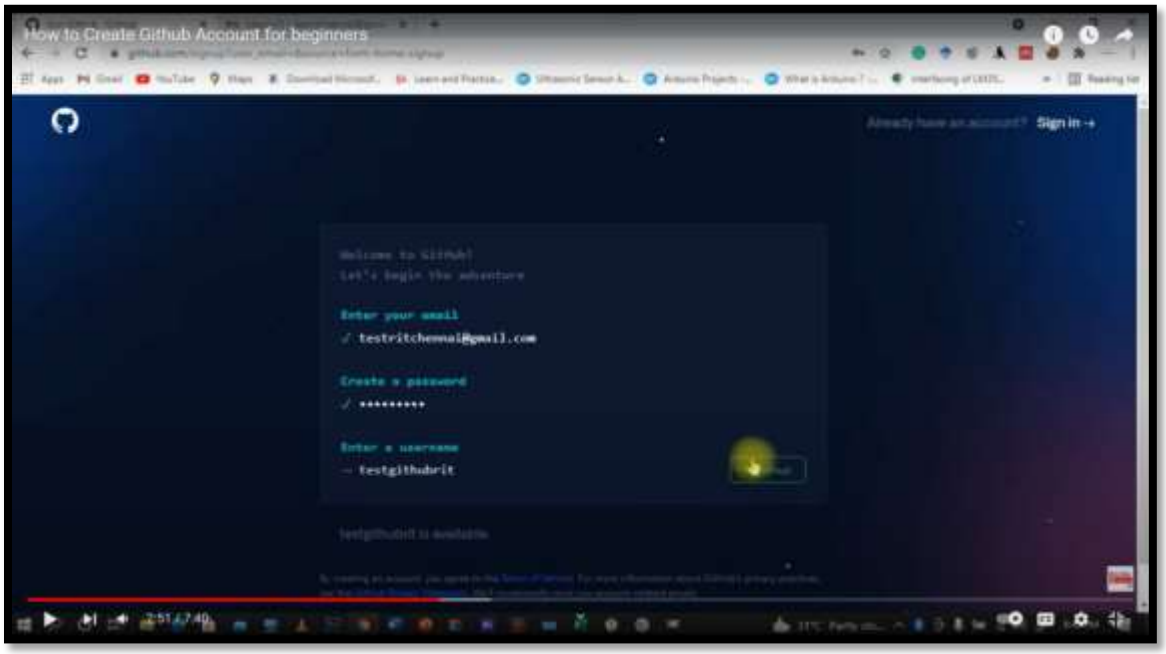


Assignment No. 5 : Setting Up a Simple Website on GitHub.

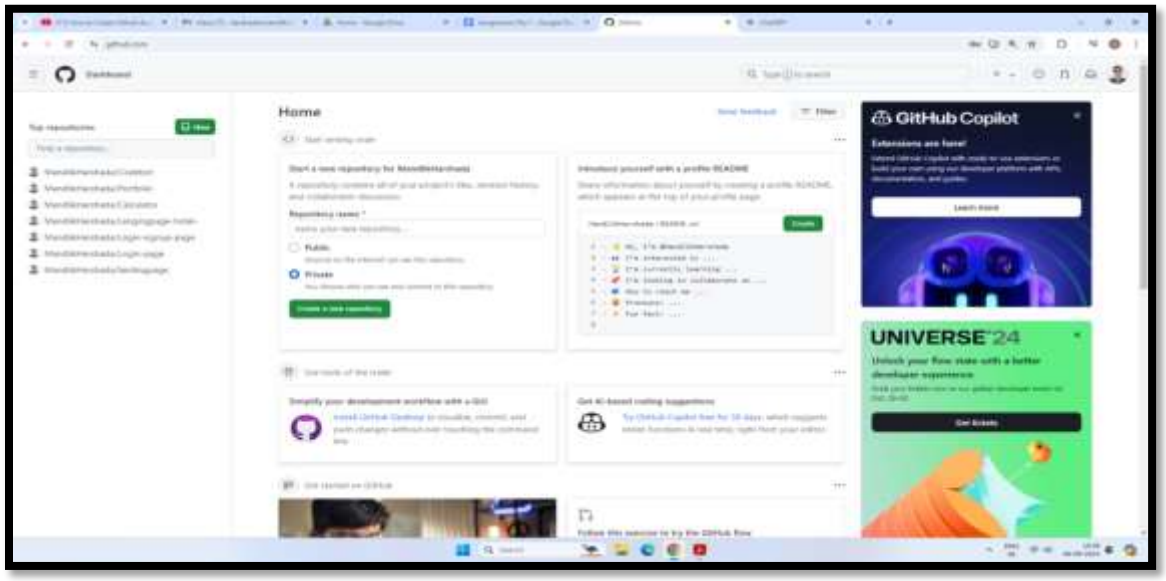
Step1: Open GitHub website.



Step2: Click on sign in button on top of right and create your account with your details.

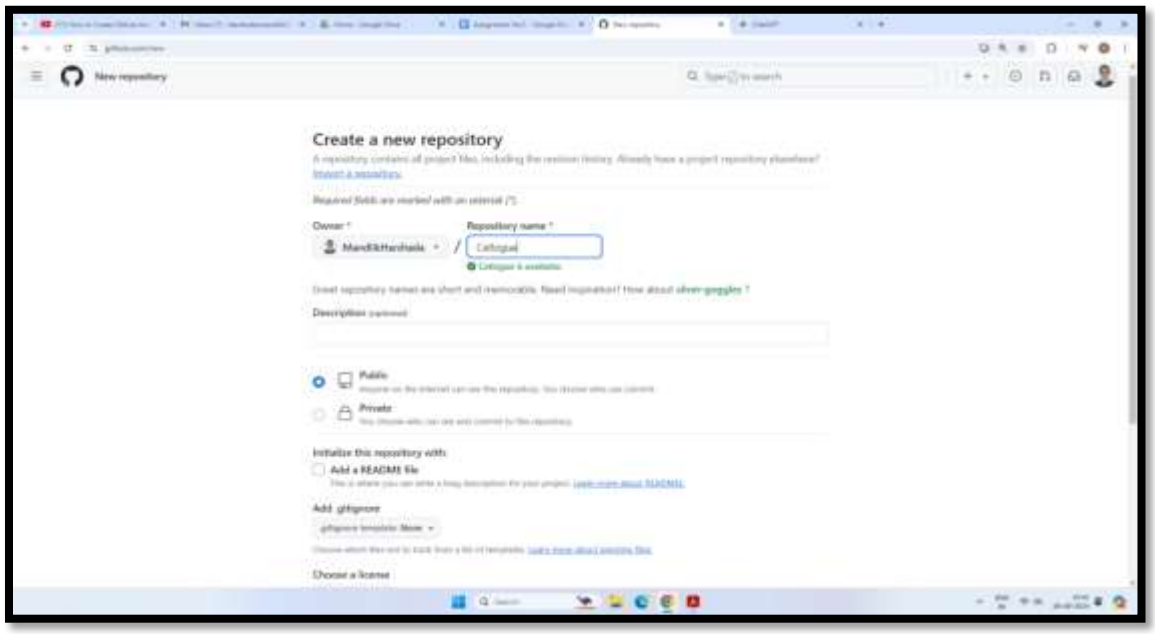


Step 3: Finally the account is created.

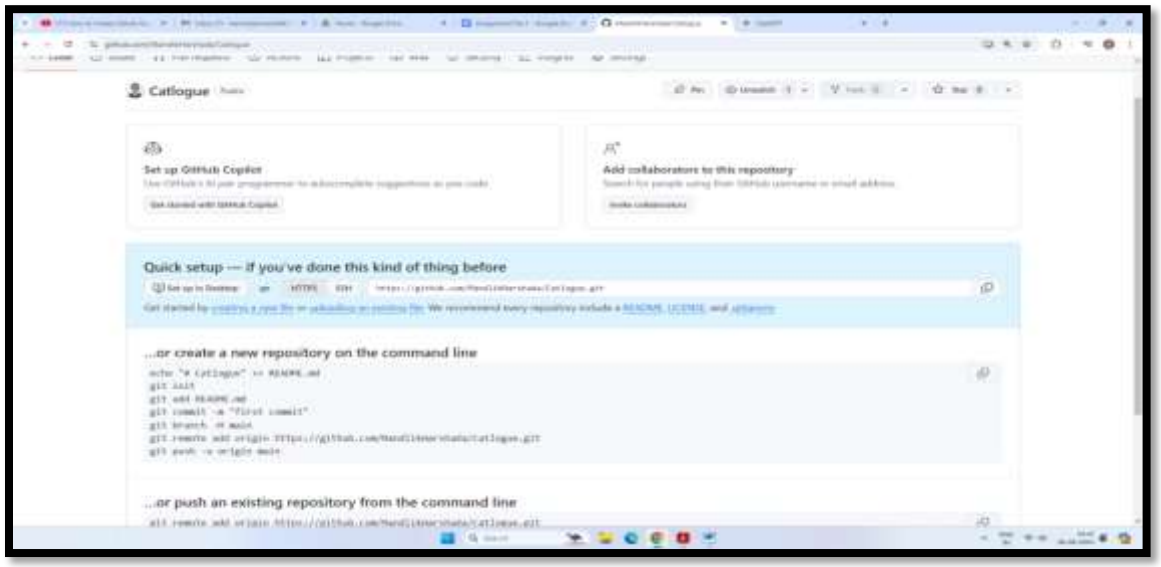


- **To deploy a static website on GitHub Pages.**

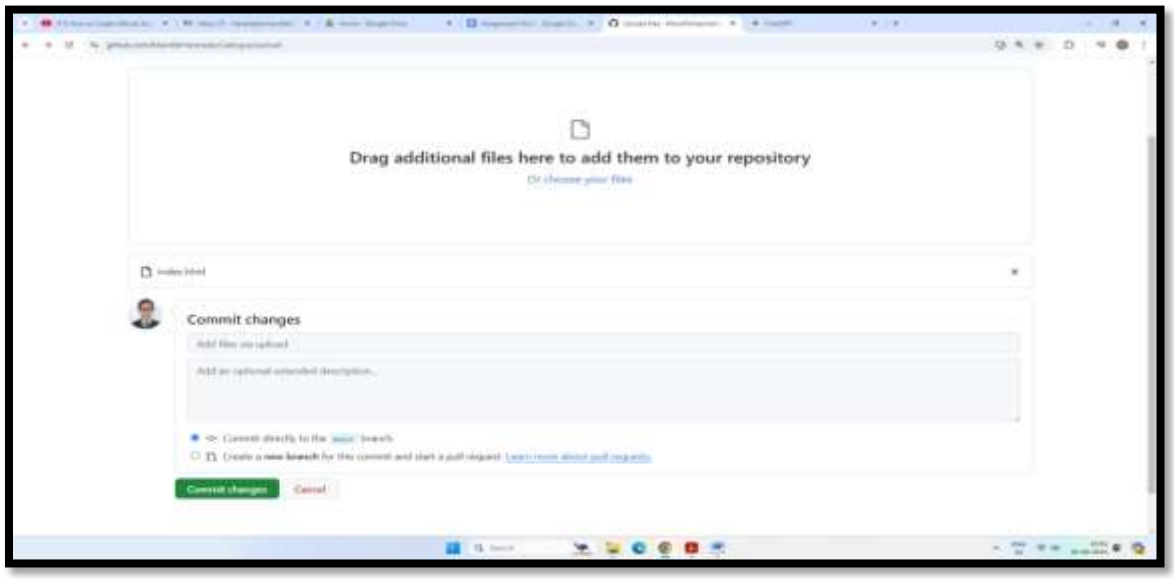
Step1:Click on the "+" icon in the top right corner and select "New repository."



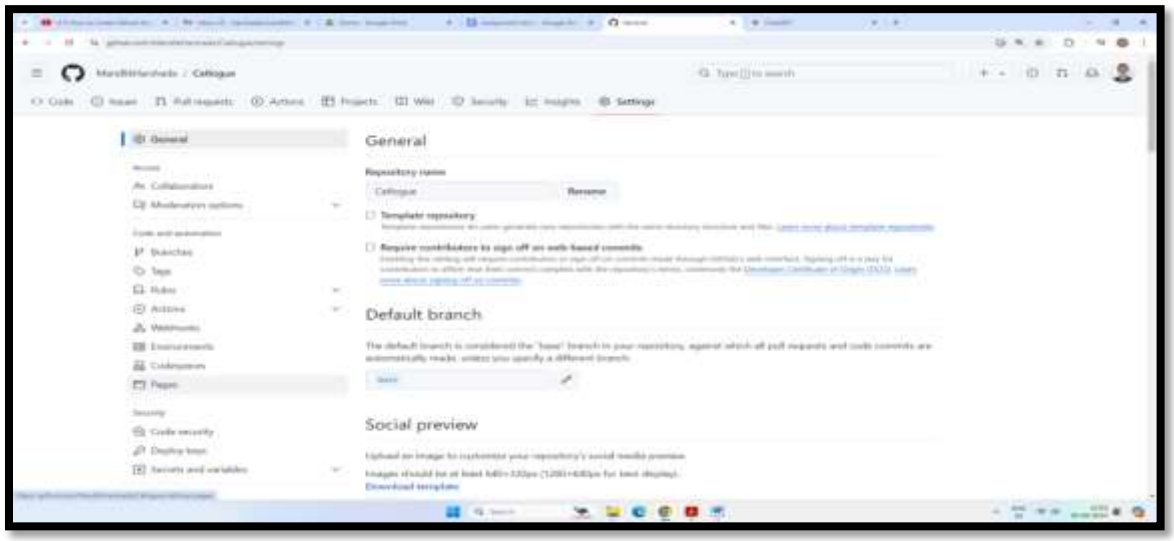
Step2: On your newly created repository page, click on "Add file" > "Upload files." Drag and drop your HTML, CSS, and JavaScript files into the upload area. Make sure you have an *index.html* file as this will be the homepage.



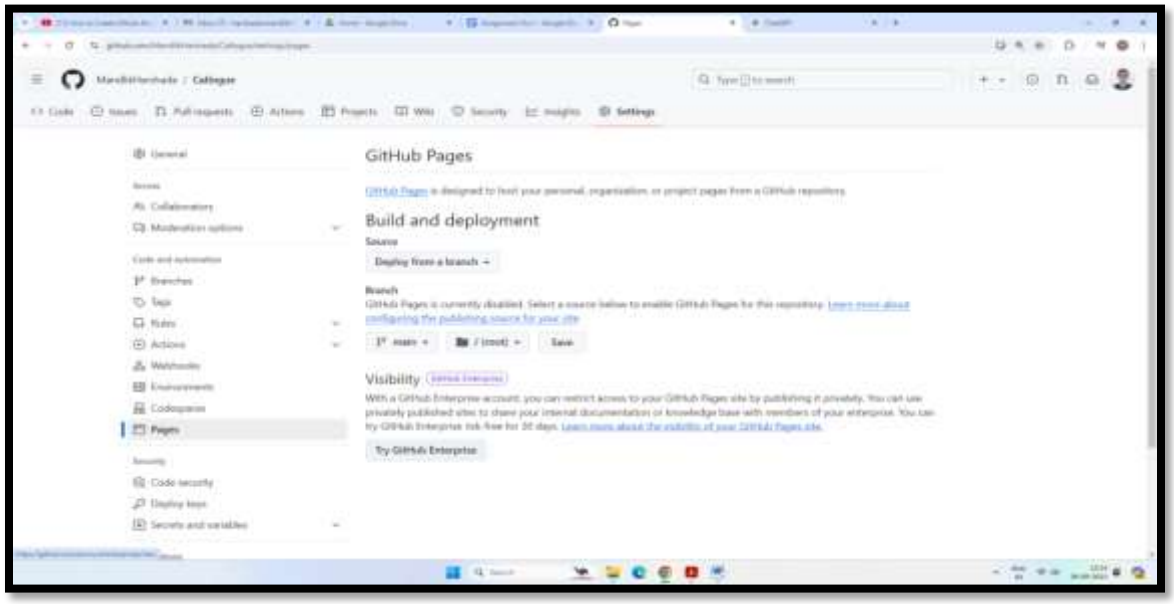
Step3: Click on commit changes button.



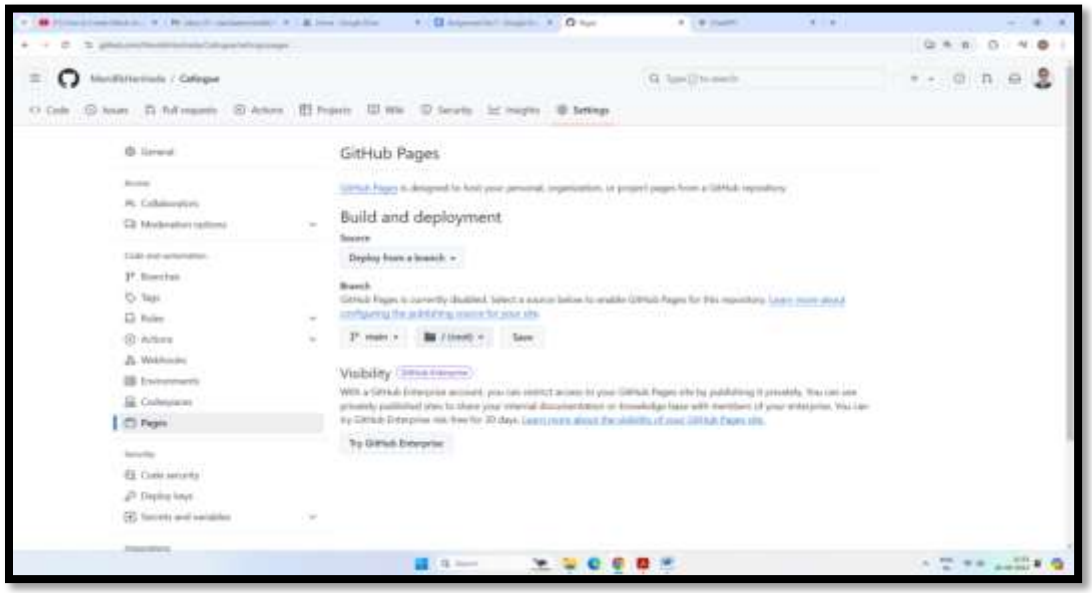
Step4: Go to the "Settings" tab of your repository.



Step5:Scroll down to the "Pages" section (on the left sidebar).



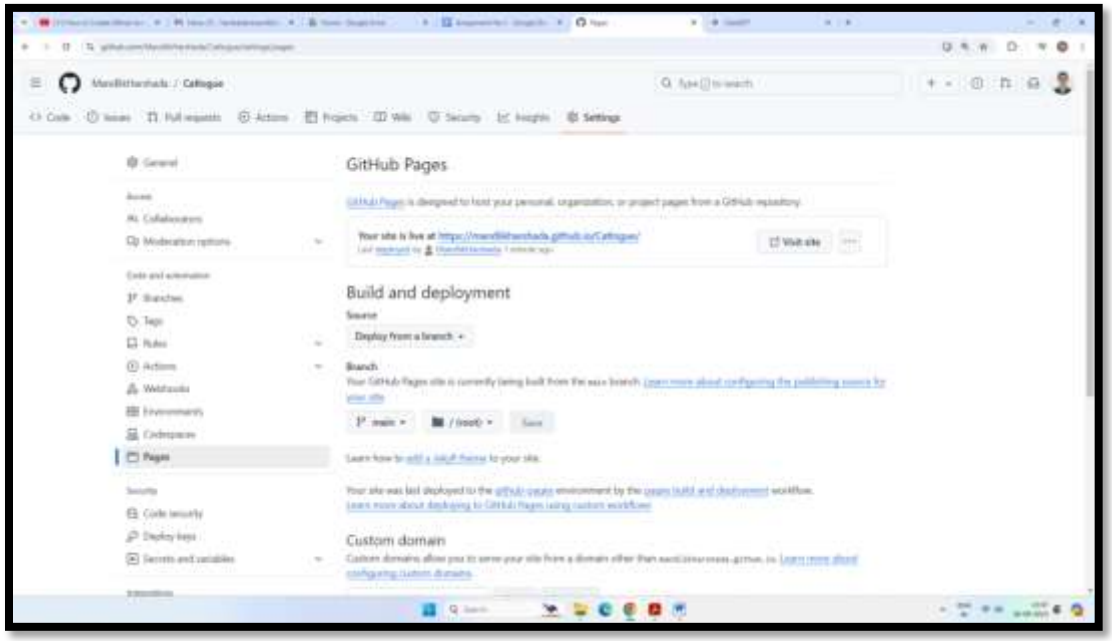
Step6: Under "Source," select the branch (usually *main*) and then the root folder / for your site.



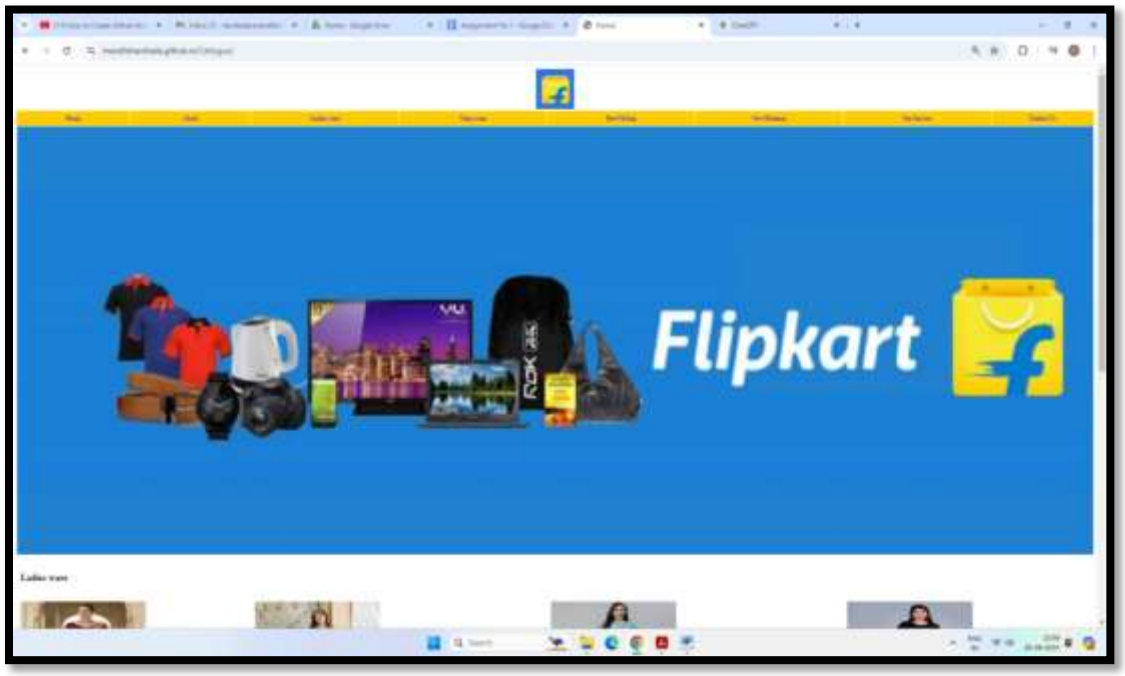
Step7:Click "Save."

Step8:After a few moments, your website will be available at *https://username.github.io*

(replace *username* with your actual GitHub username).



Step9:Final output.

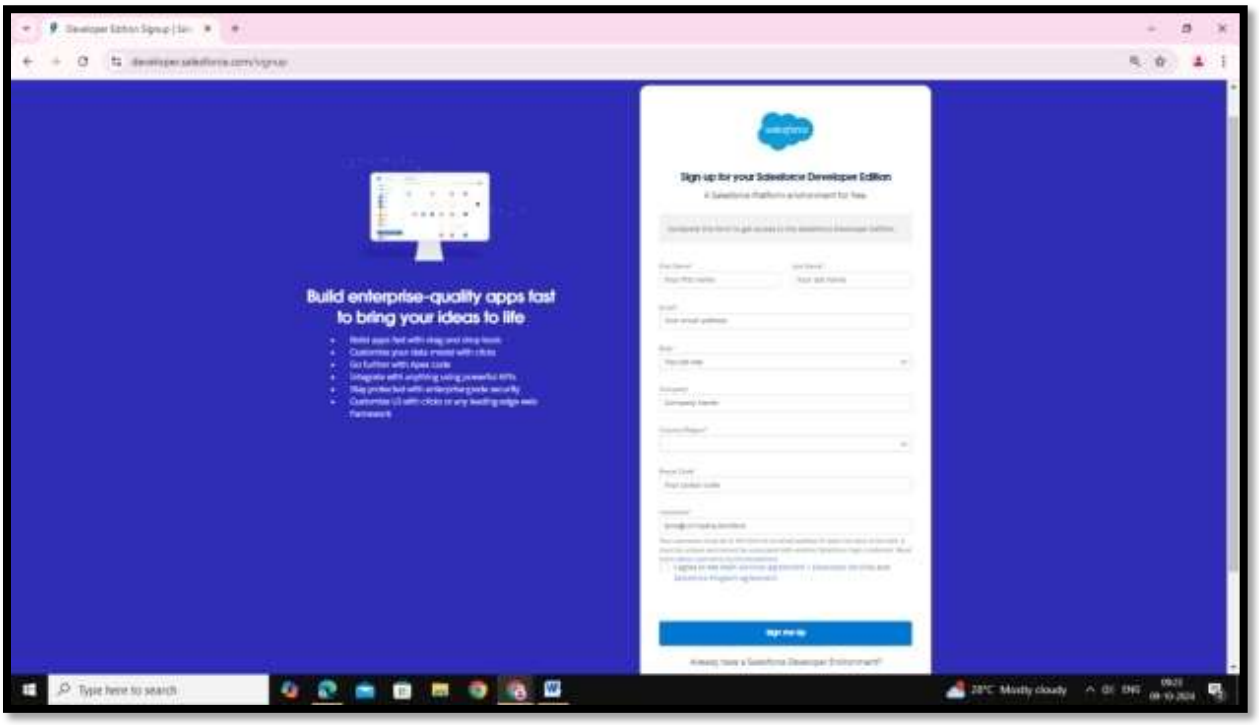


Assignment no.6: Introduction to cloud CRM (Salesforce):

CRM : is a technology that helps businesses organise and track customer interactions across their company by collecting and analysing relevant customer-related data. This information lives in a centralised location, providing a single view of each customer across all teams within an organisation.

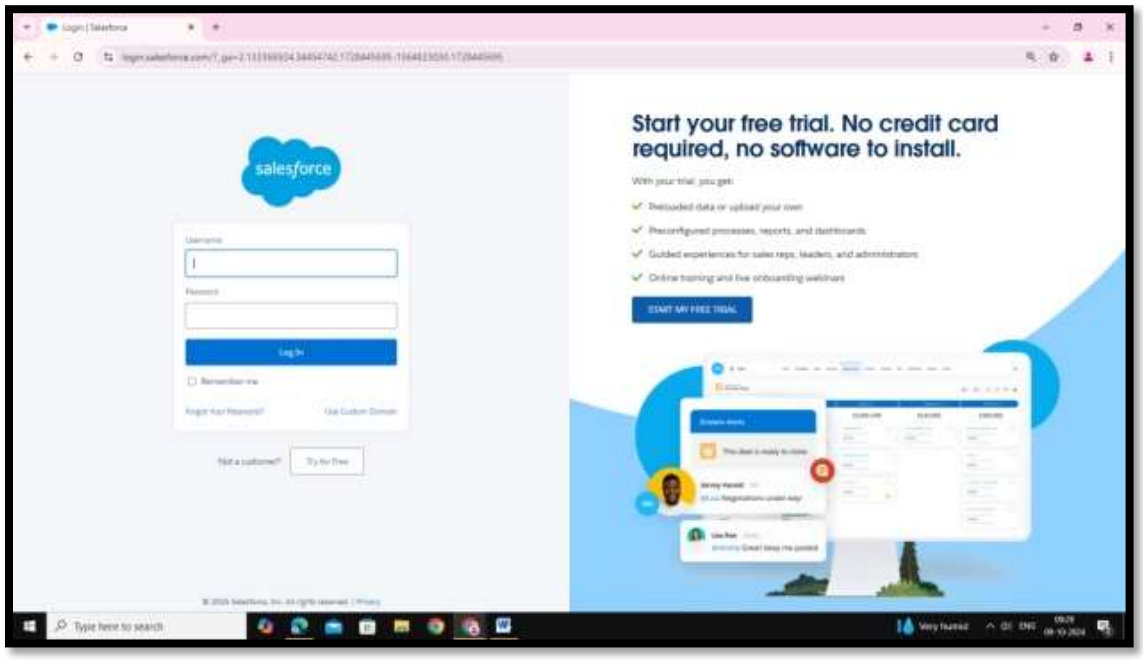
Modern CRMs are hosted in the cloud, providing easy access to information, faster processing speeds, and the flexibility to scale quickly to meet an organisation's changing needs.

Step 1: open the Developers Edition signup as a Developer(using developers.salesforce.com)



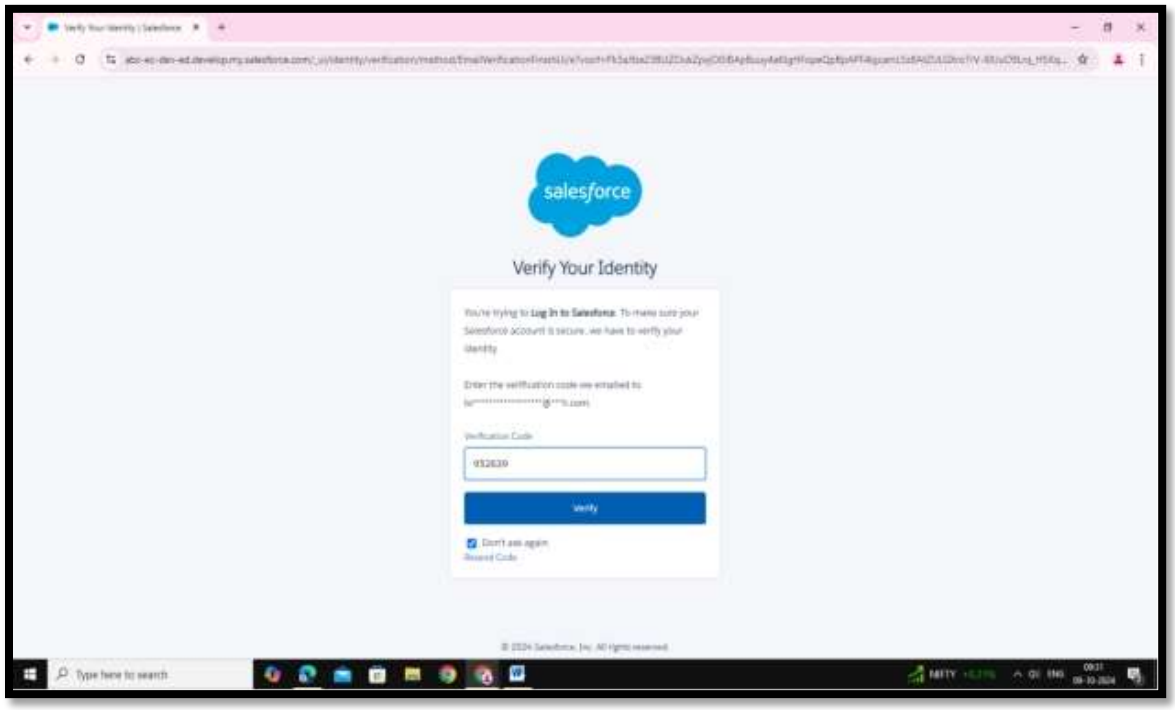
step 2: fill the related information and click on sign me up.

step 3: Click on login which located below the sign me up.



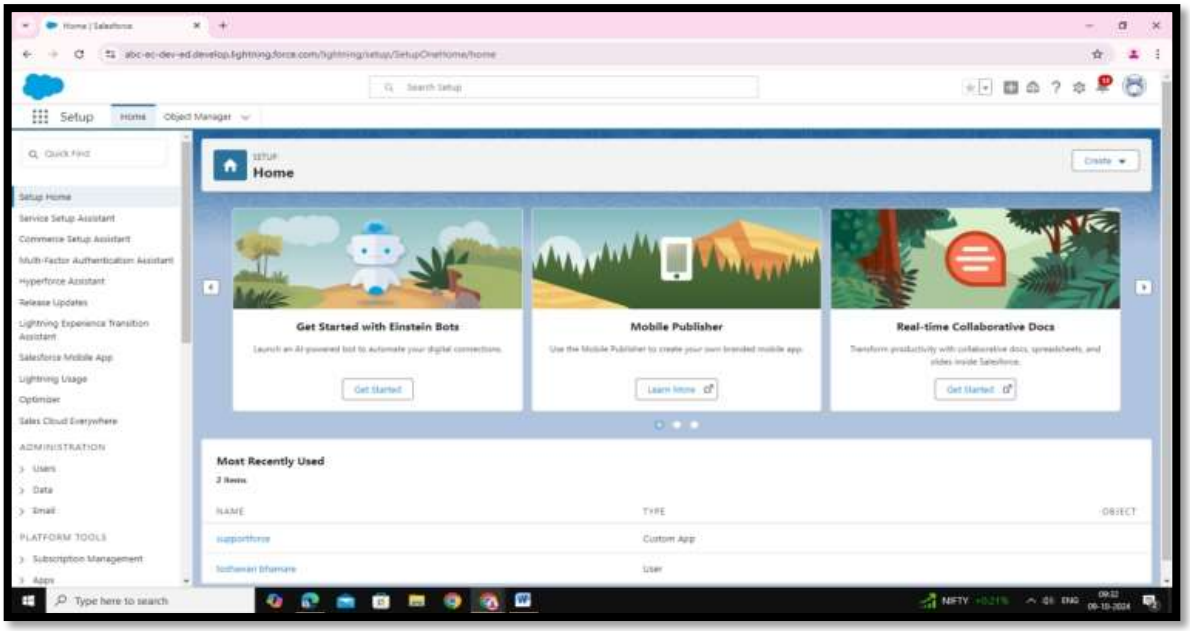
step 4: enter your username and password then click on login.

step 5: if we successfully login, then salesforce provide verification code to our login email.



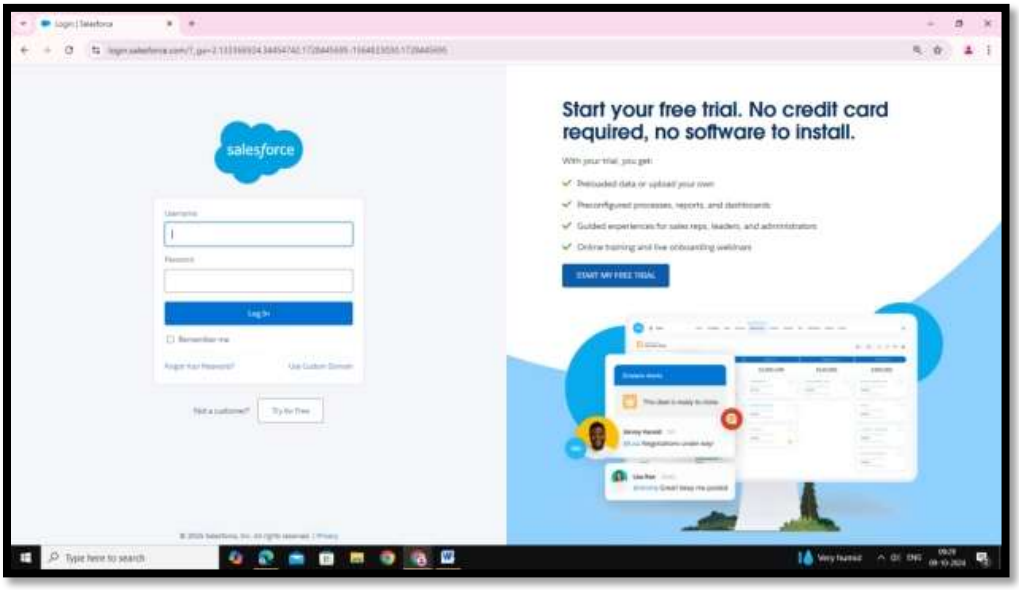
step 6: Enter verification code and click on verify.

step 7: if we successfully verified then it directly goes on salesforce home page.

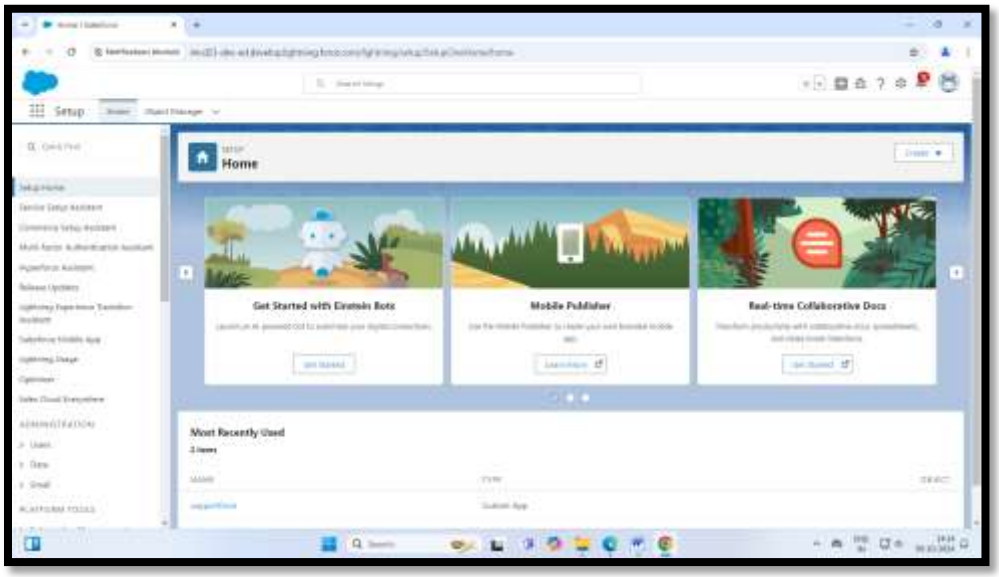


Asssignment no.7: Data Analytics on the cloud(Salesforce):

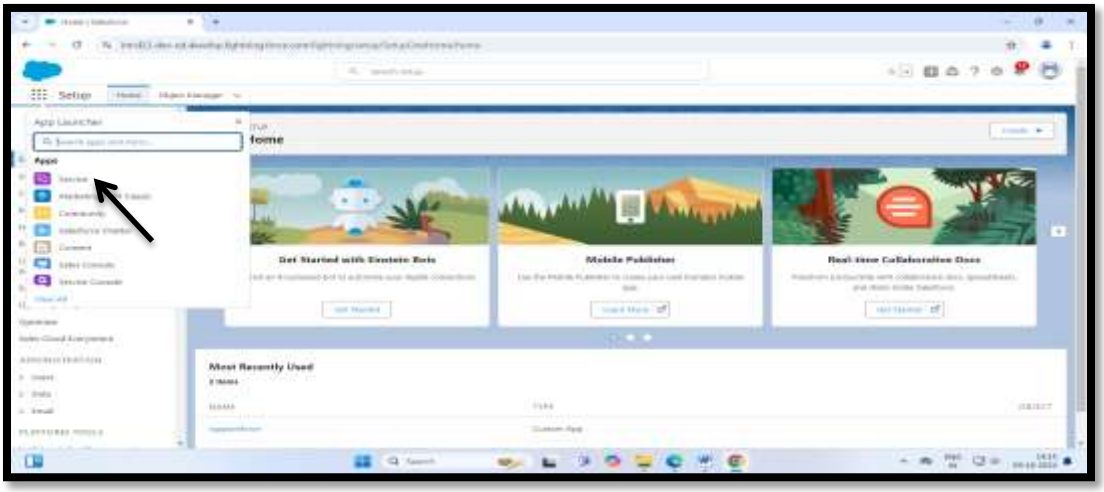
Step 1: Login to Salesforce account.



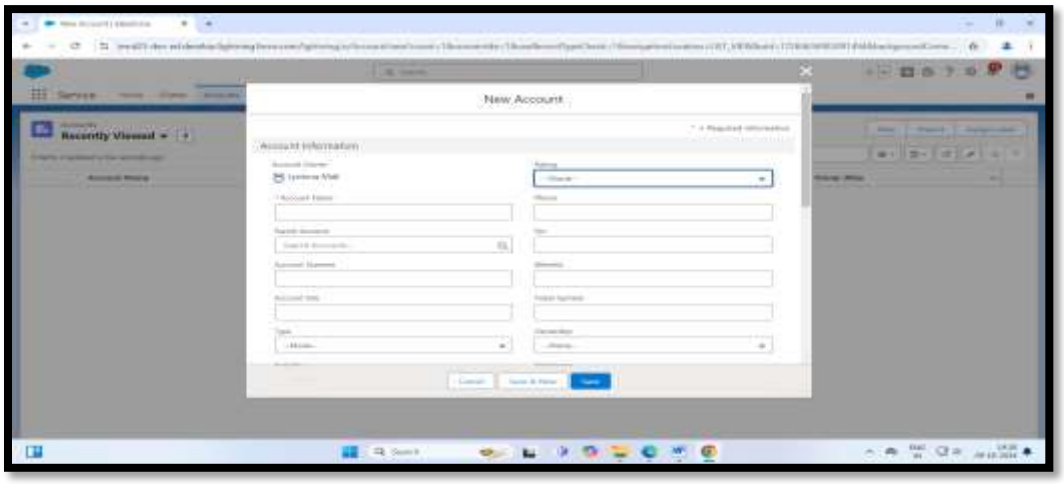
Step 2: Your Dashboard is seen



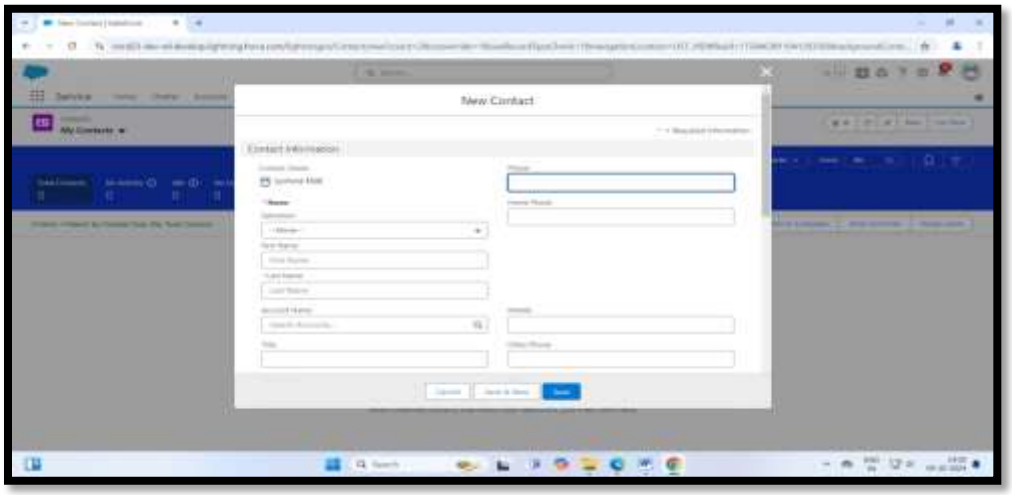
Step 3: Click on setup and select Services



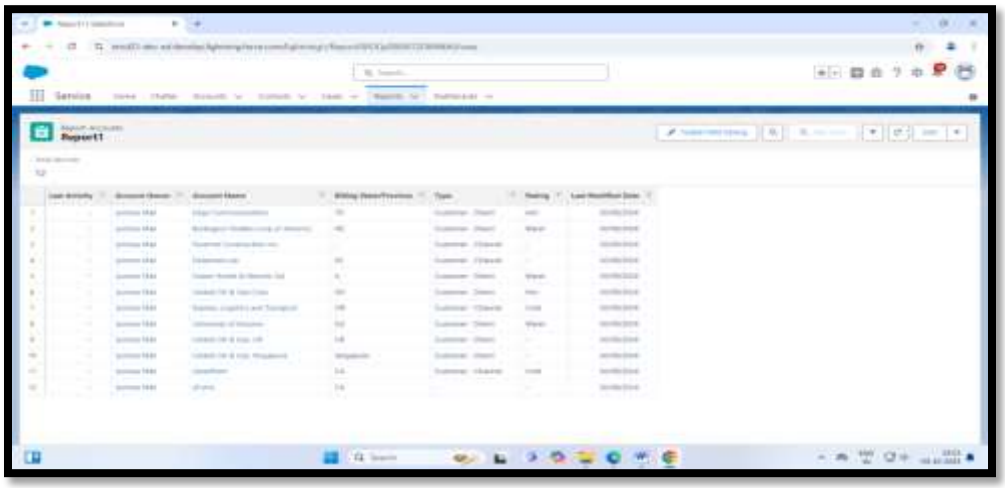
Step 4: Create Accounts with required information.



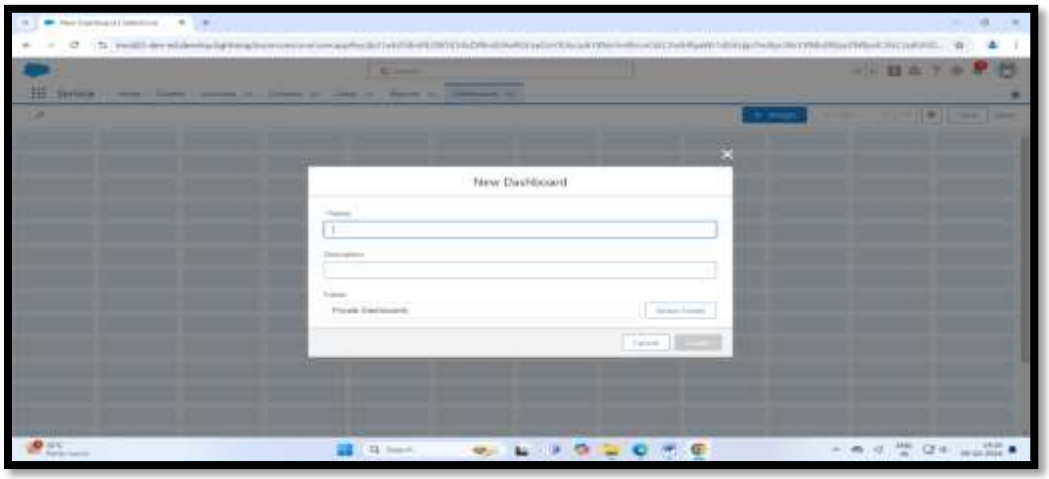
Step 5: Create Contacts.



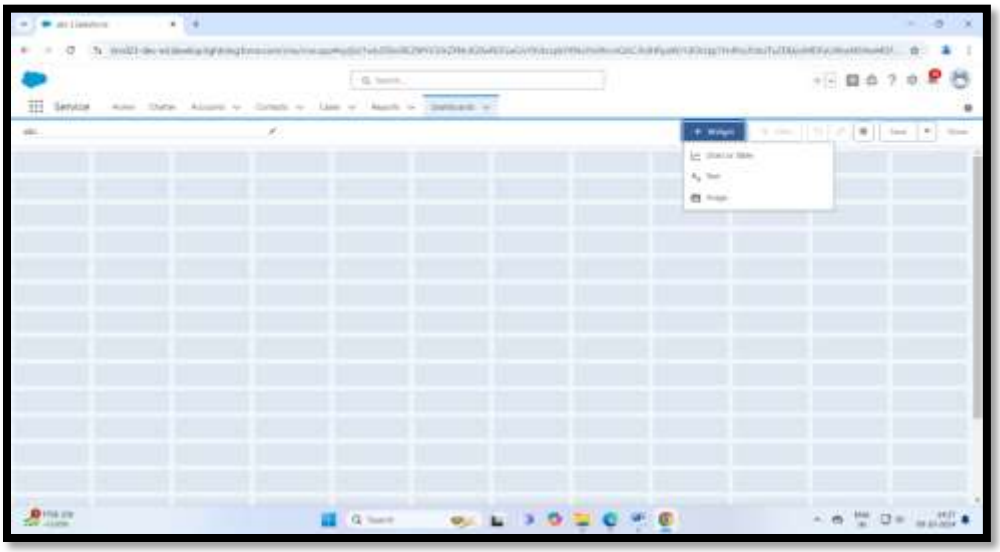
Step 6: Create Reports for accounts and contacts.



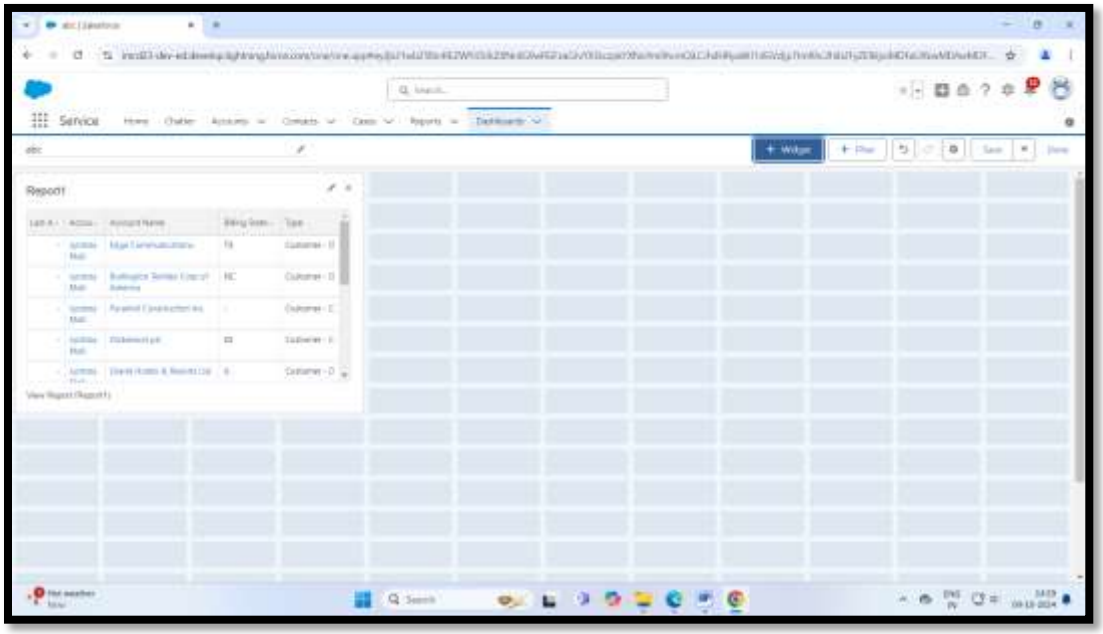
Step 7: Create Dashboard for Particular report.



Step 8: Create Table or Charts for analysis for particular data.

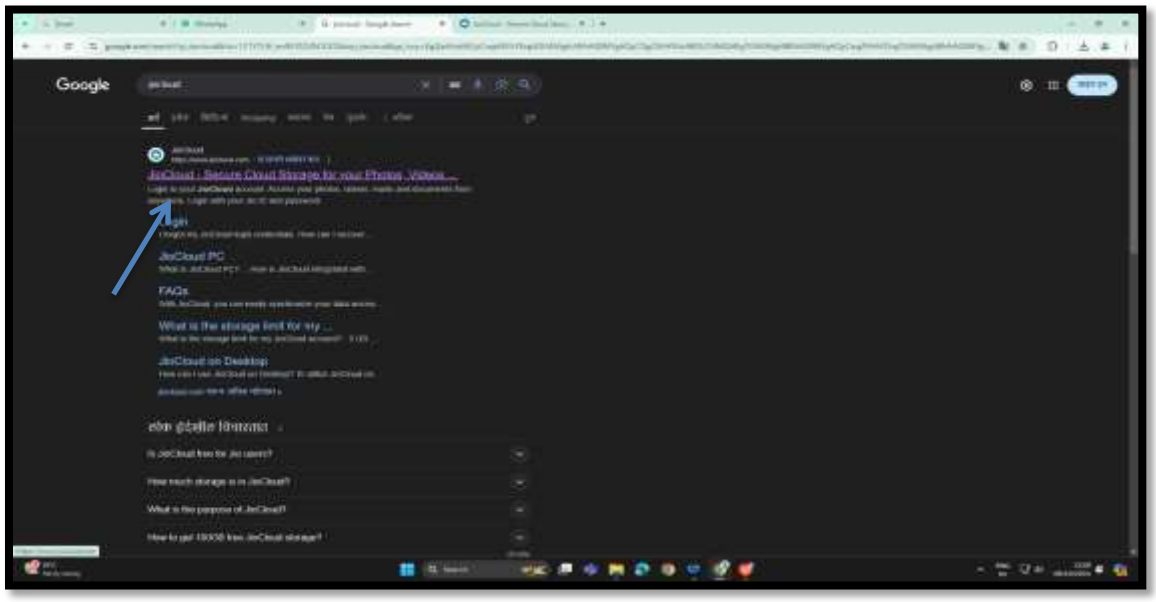


Step 9: Finally Report is created in table form.

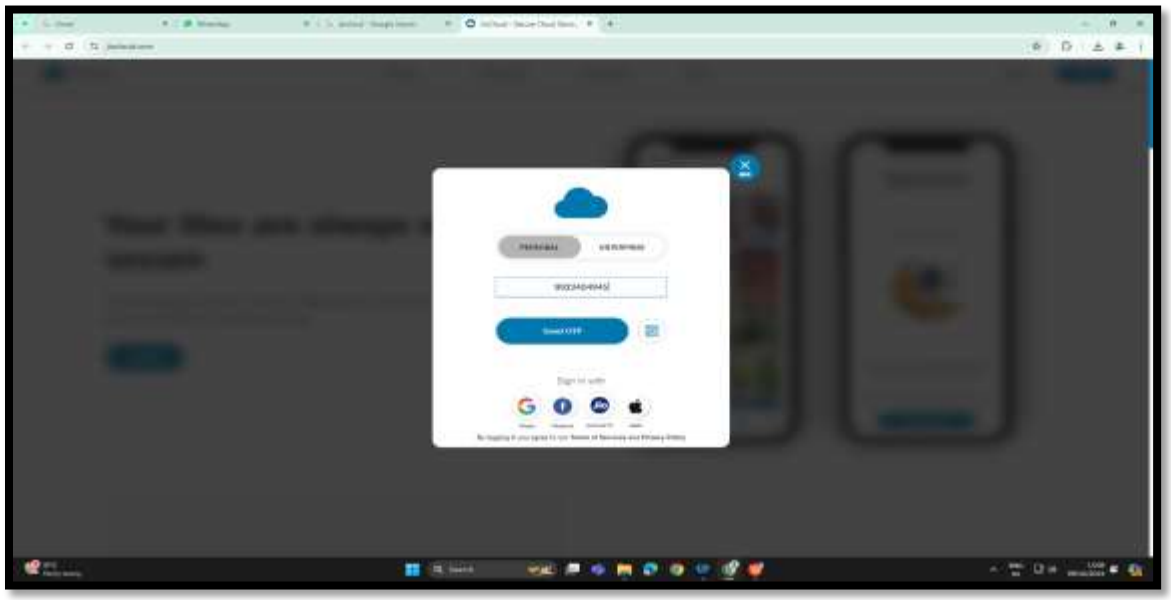


Assignment No: 9 Installation and Configuration of JioCloud.

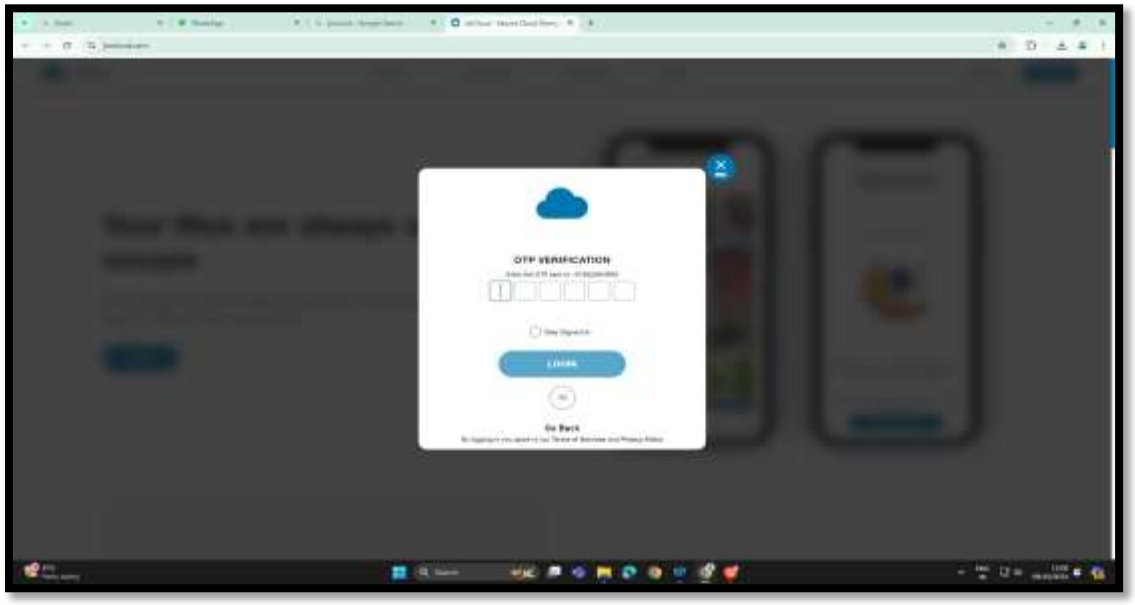
Step 1: Search for JioCloud



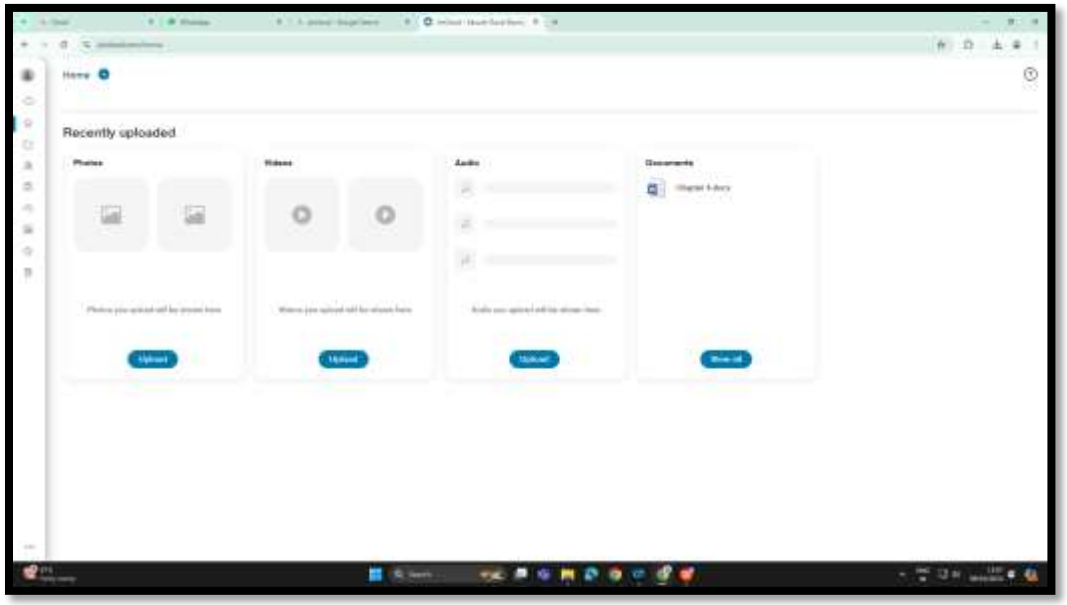
Step 2: Login your account with your E-mail id or contact number.



Step 3: Verify OTP



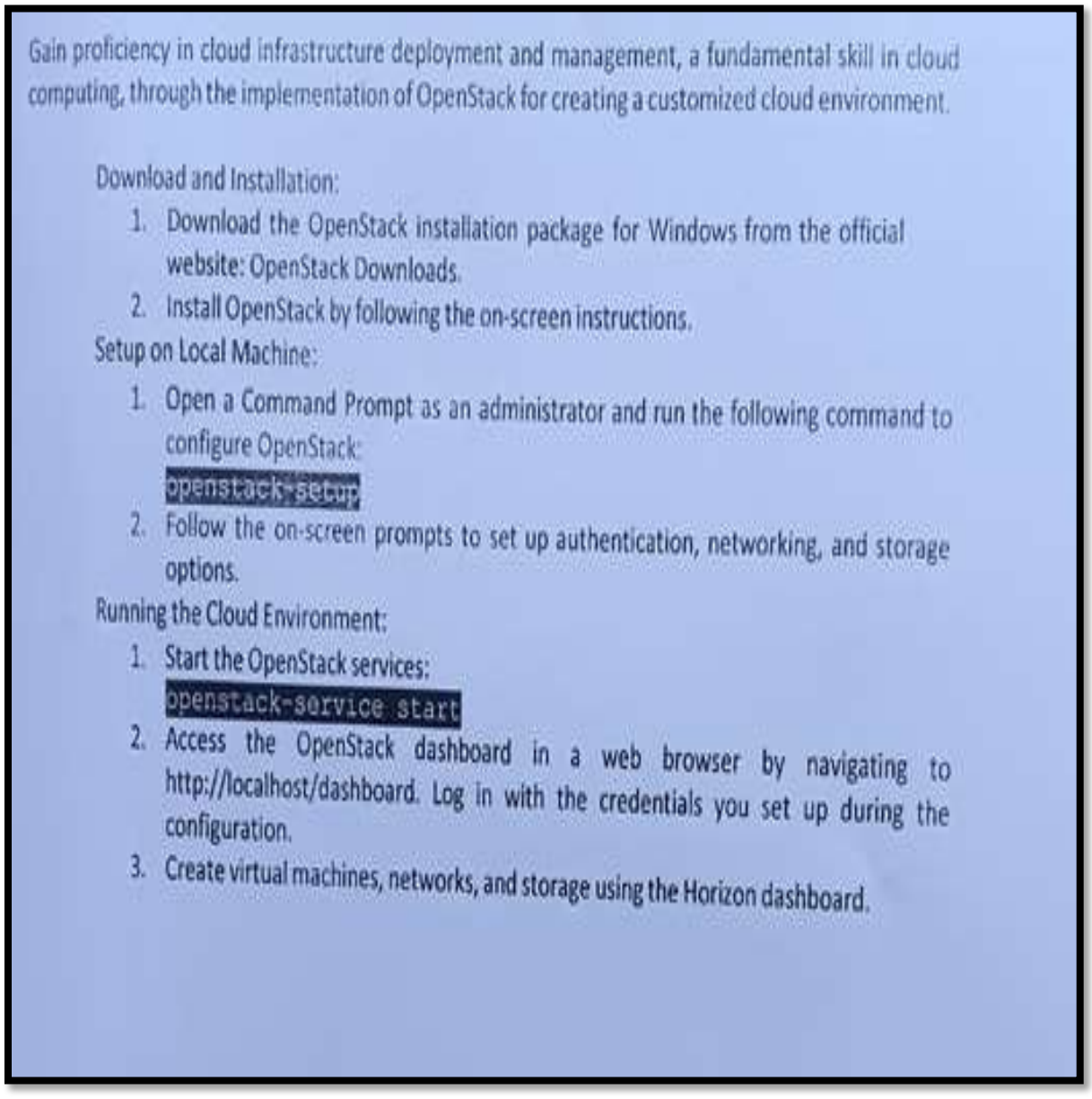
Step 4: Finally your account is login and it is ready for stored photos ,videos and your other documents



Assignment No. 4: Setting up cloud Environment with openstack.

How is OpenStack used in a cloud environment?

OpenStack consists of open-source tools used for managing and building platforms for cloud computing. What is OpenStack used for? OpenStack gives you Infrastructure-as-a-Service (IaaS) tools that allow you to deploy virtual machines (VMs) on demand.



Gain proficiency in cloud infrastructure deployment and management, a fundamental skill in cloud computing, through the implementation of OpenStack for creating a customized cloud environment.

Download and Installation:

1. Download the OpenStack installation package for Windows from the official website: OpenStack Downloads.
2. Install OpenStack by following the on-screen instructions.

Setup on Local Machine:

1. Open a Command Prompt as an administrator and run the following command to configure OpenStack:

```
openstack-setup
```

2. Follow the on-screen prompts to set up authentication, networking, and storage options.

Running the Cloud Environment:

1. Start the OpenStack services:

```
openstack-service start
```

2. Access the OpenStack dashboard in a web browser by navigating to http://localhost/dashboard. Log in with the credentials you set up during the configuration.
3. Create virtual machines, networks, and storage using the Horizon dashboard.

Assignment No.:8 Introduction to Amazon AWS S3

8) Introduction to Amazon AWS S3:

The objective of this practical is to learn about Amazon AWS and how to host a simple static website using Amazon S3.

Steps:

1. Create an AWS Account:
    a. Sign up for a free AWS account at AWS Free Tier.
2. Access AWS Console:
    a. Log in to the AWS Management Console.
3. Go to Amazon S3:
    a. Click on "Services" and select "S3" under "Storage."
4. Create a Bucket:
    a. Click "Create bucket."
    b. Choose a unique name and a region for your bucket.
    c. Click "Create."
5. Upload HTML File:
    a. In the bucket, click "Upload."
    b. Upload a simple HTML file (e.g., index.html).
6. Configure for Website Hosting:
    a. Select the bucket, go to the "Properties" tab.
    b. Click on "Static website hosting" and choose "Use this bucket to host a website."
    c. Set the index document to be your HTML file (e.g., index.html).
7. Allow Public Access:
    a. In the "Permissions" tab, set permissions to allow public access.
    b. Add a bucket policy for public read access.
8. Access the Website:
    a. Find the endpoint URL in the "Static website hosting" section.
    b. Open the URL in a web browser to view your static website.
9. Update Content:
    a. Make changes to your HTML file.
    b. Upload the updated file to the S3 bucket to see instant changes on your website.
10. Clean Up:
    a. Empty the S3 bucket.
    b. Optionally, delete the S3 bucket to avoid any charges.