KONGU ENGINEERING COLLEGE

(Autonomous)

Perundurai, Erode -638 058

DEPARTMENT OF COMPUTER APPLICATIONS

20MCL31 – CLOUD COMPUTING TECHNOLOGIES LABORATORY

NAME :

REGISTER NUMBER :

BRANCH :

Certified that, this is a bonafide record of work done by the above students for **20MCL31 – CLOUD COMPUTING TECHNOLOGIES LABORATORY** during the year 2021-2022.

Submitted for the Model Practical Examination held on_____ .

Lab-in-charge Head of the Department

Examiner 1 Examiner 2

KONGU ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER APPLICATIONS

Transform Yourself

20MCL31 & CLOUD COMPUTING TECHNOLOGIES LABORATORY

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EXPERIMENT NO :01

DATE : 17/08/2021

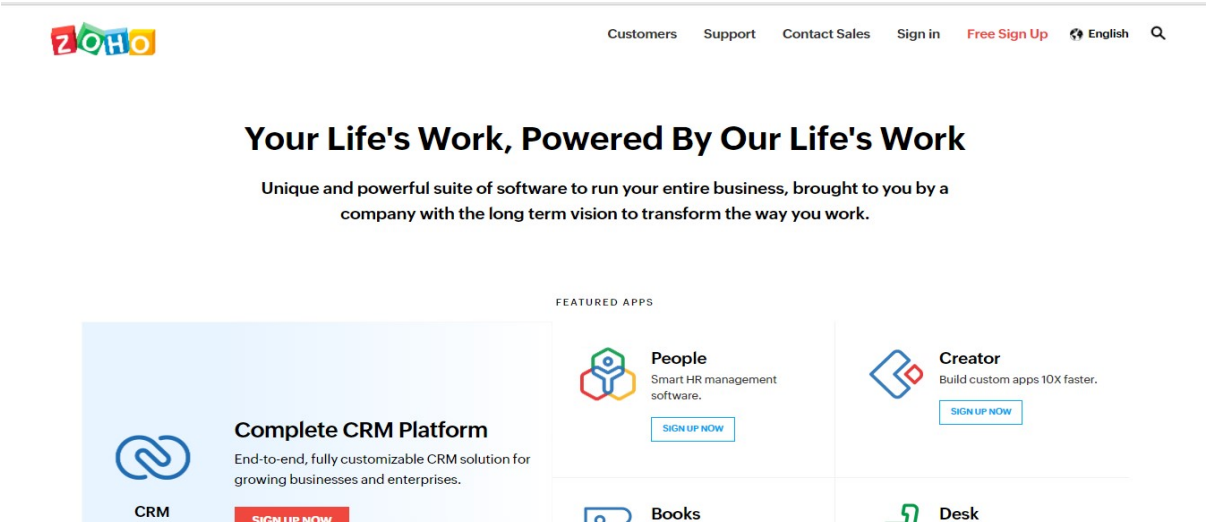
DATA VISUALIZATION USING ZOHO PLATFORM

AIM:

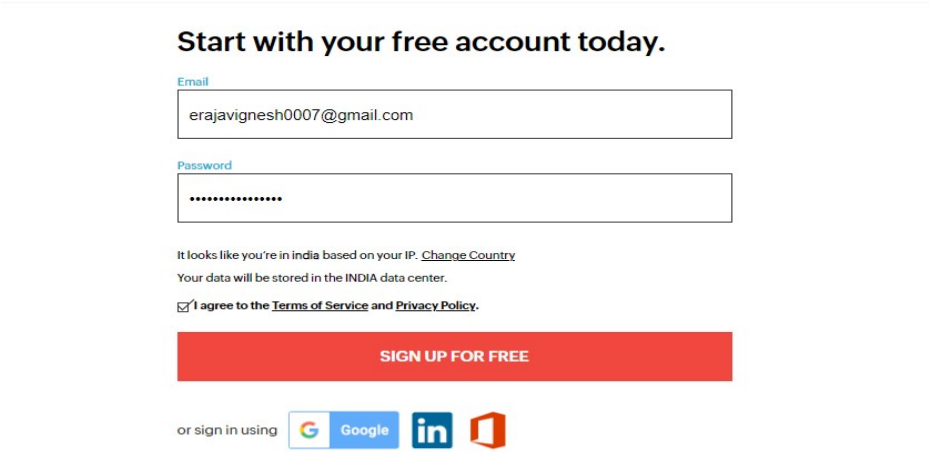
To Create visually appealing data visuvalizations and in sightful dashboard using Zoho.

STEPS:

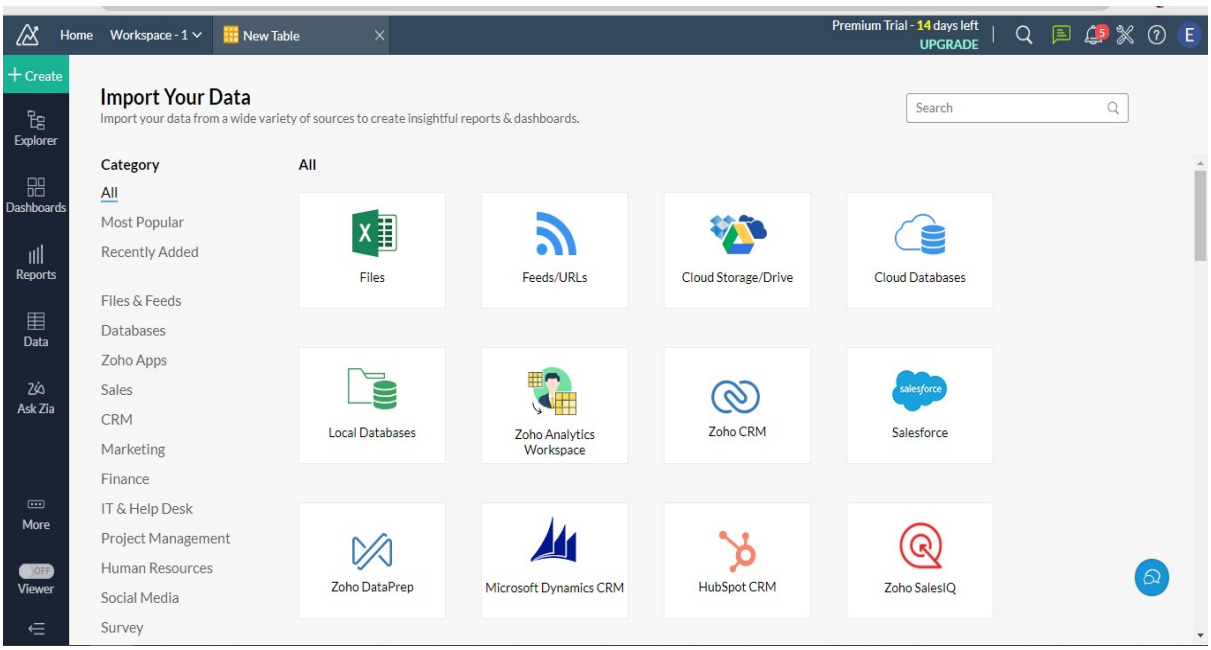
STEP 01: In Search box type Zoho Analysis.



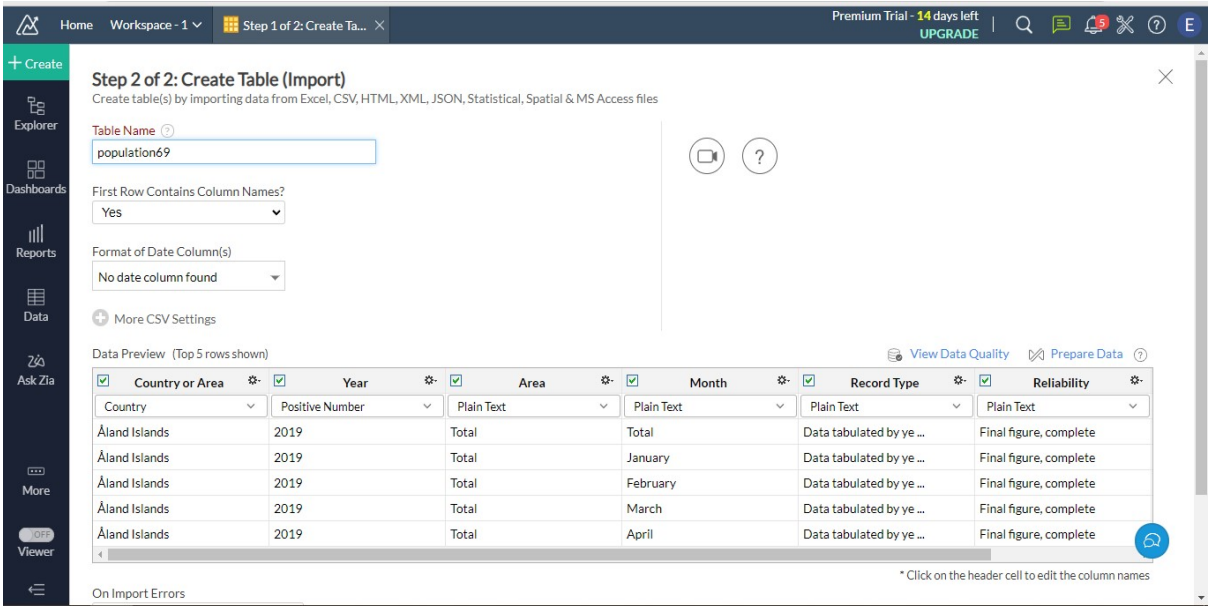
STEP02: Then signup in to the Analytics



STEP03: Then select the Local Drive



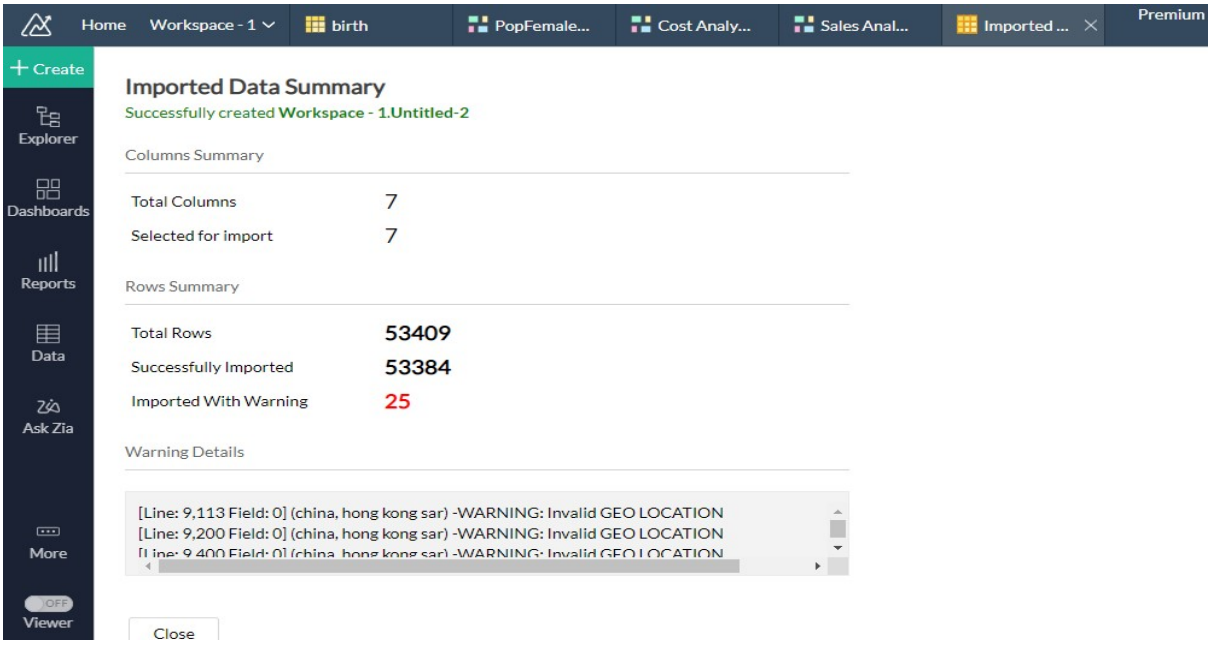
STEP 04: Give the Workspace name and choose the File type



STEP 05: Choose File from your computer and Click Next.

STEP 06: Select the Columns that you want to make chart and click create.

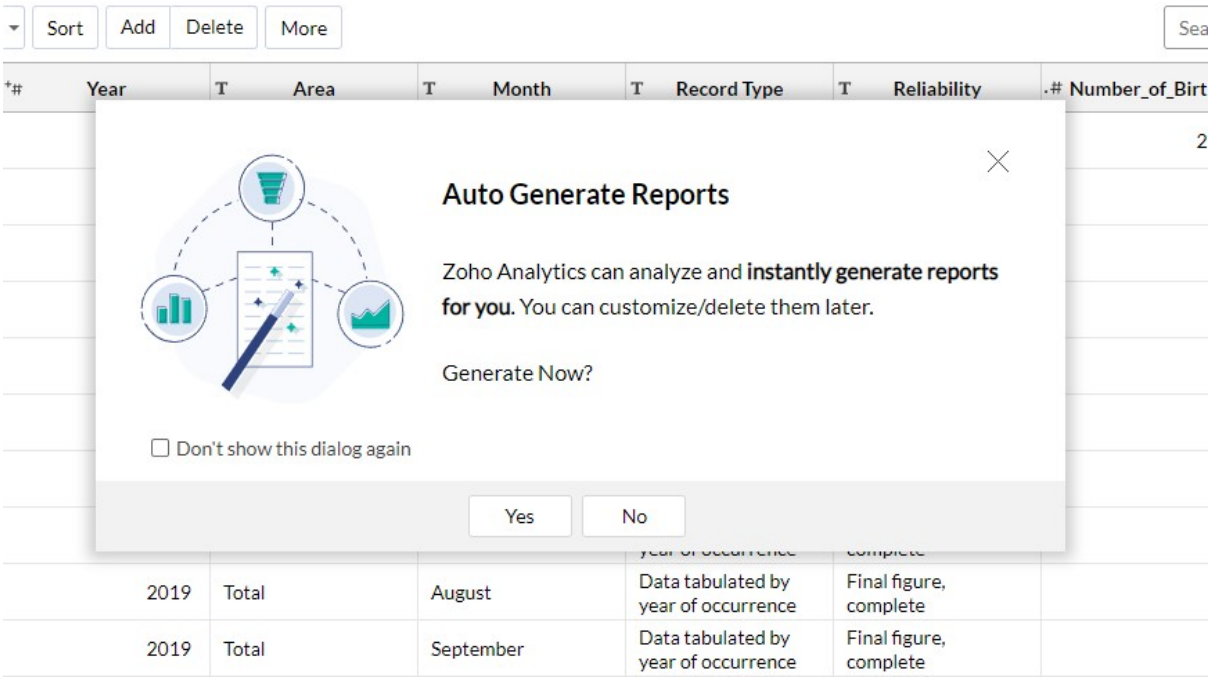
STEP 07: Your file is to be imported and then click close.



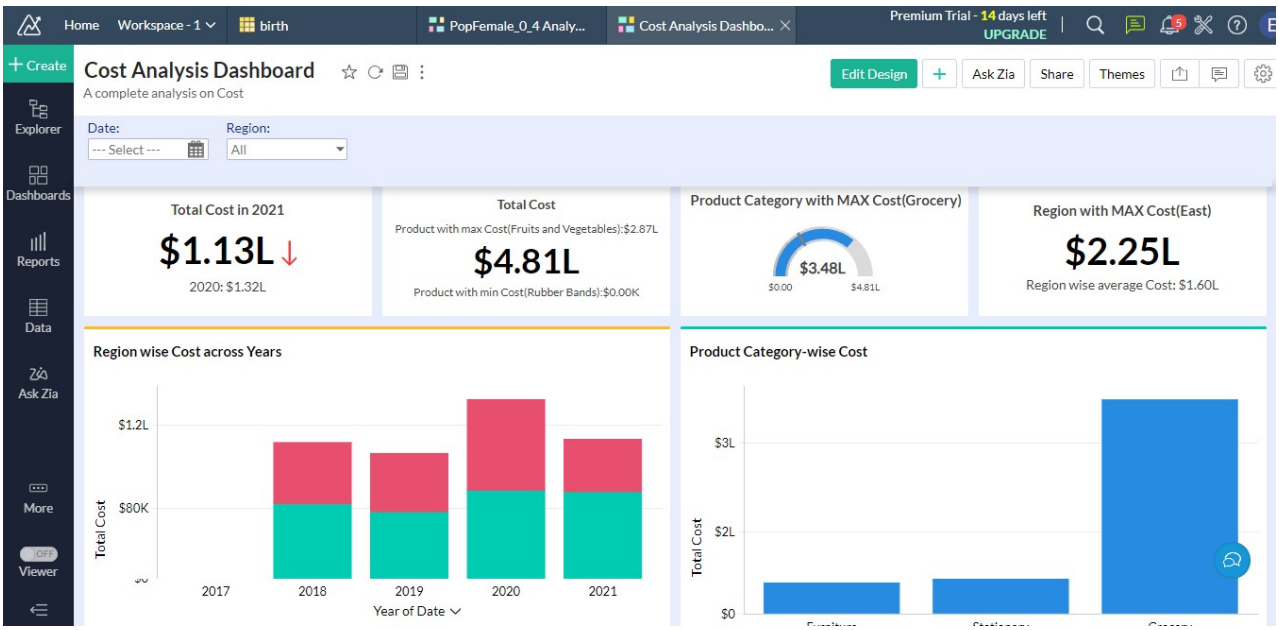
STEP 08: The workspace window will be open

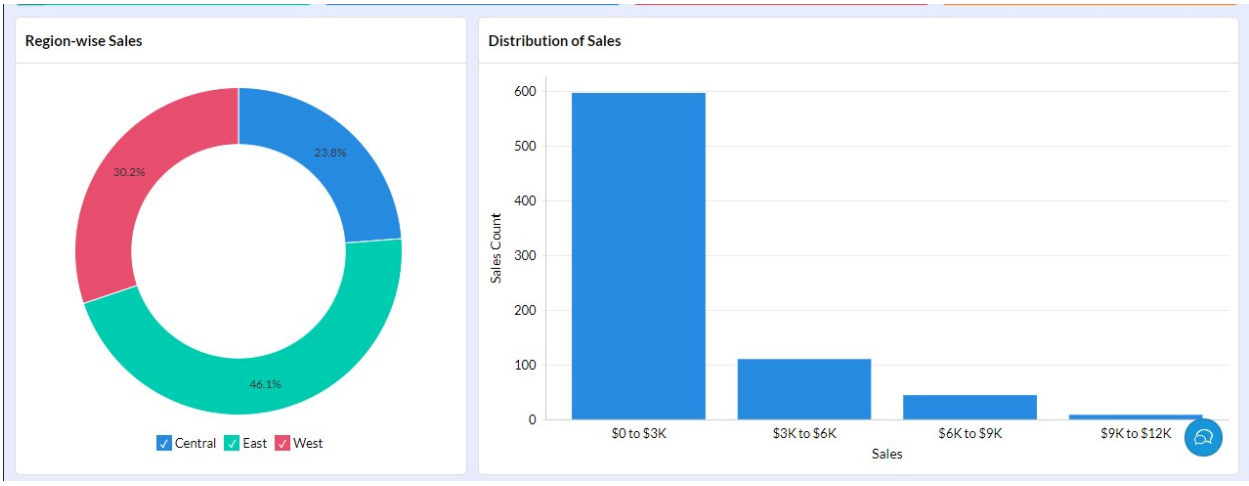
STEP 09: In the Left Side, click the Reports

STEP10: The Report will be Generated automatically



STEP11: Now we can Share the Workspace the another





STEP 12: If they made changes that also affected in our workspace.

RESULT:

Data Visualization using ZOHO Platform has been created and Dashboard has been shown.

EXPERIMENT NO:02

DATE :23/08/2021

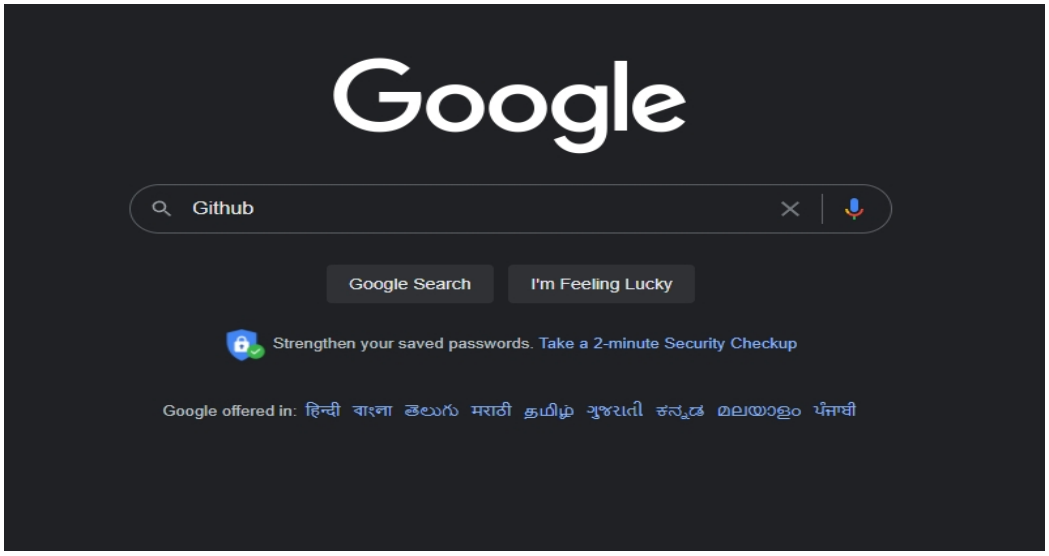
CREATE AND USE REPOSITORY IN GITHUB

AIM:

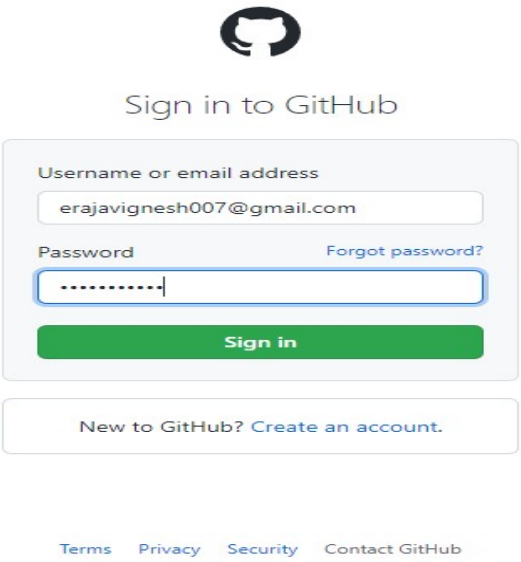
To create and use a repositors using github.

STEPS:

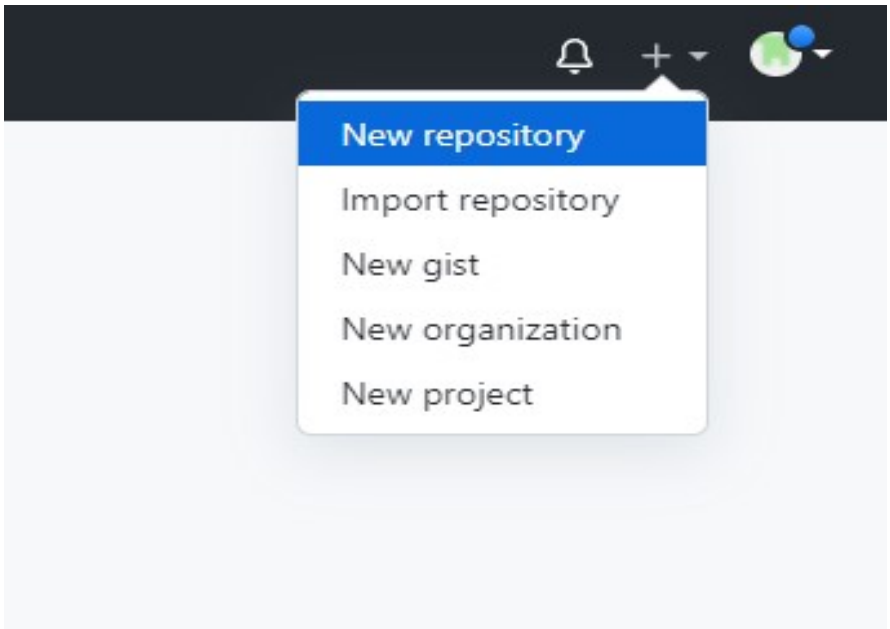
STEP01: Open browser and search github.com



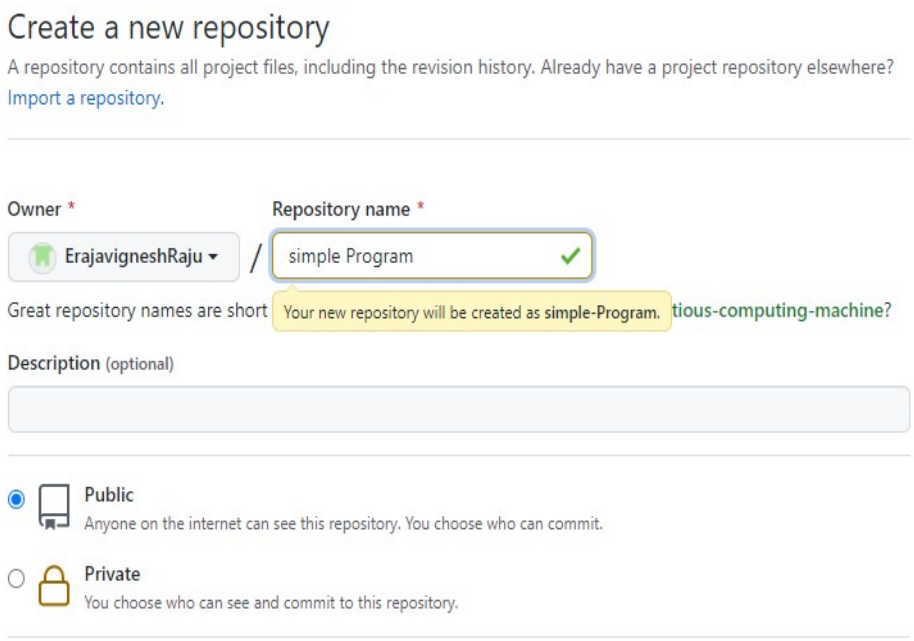
STEP 02: Sign in to the website then, the github homepage will be displayed.



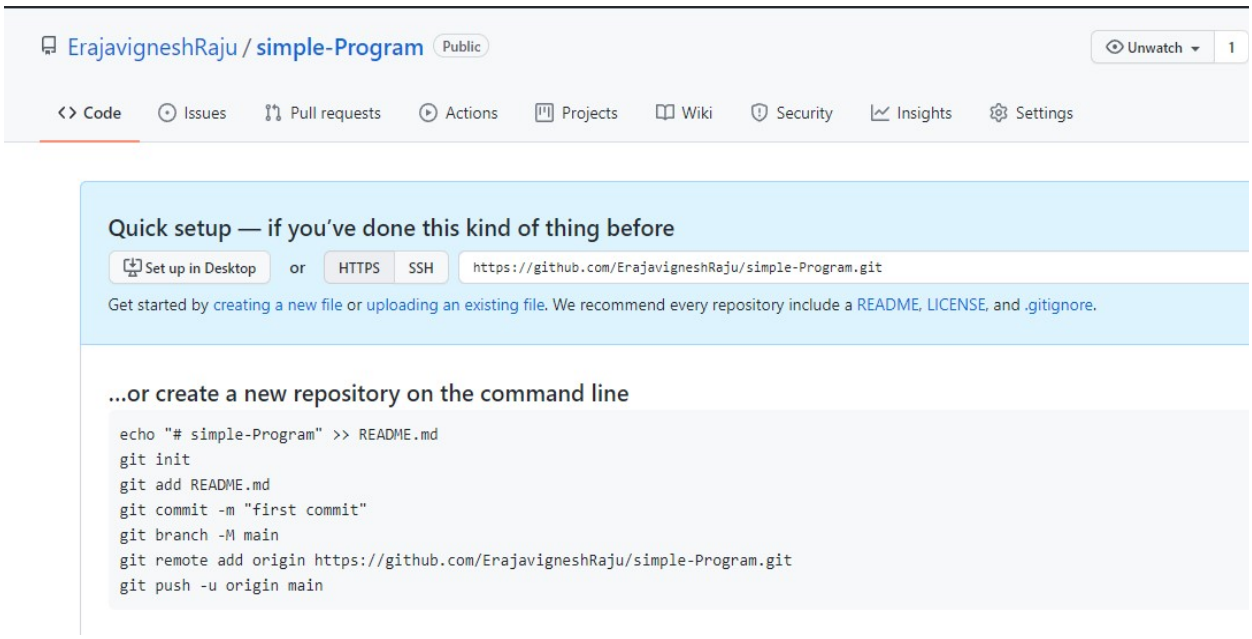
STEP 03: Click new in left top corner



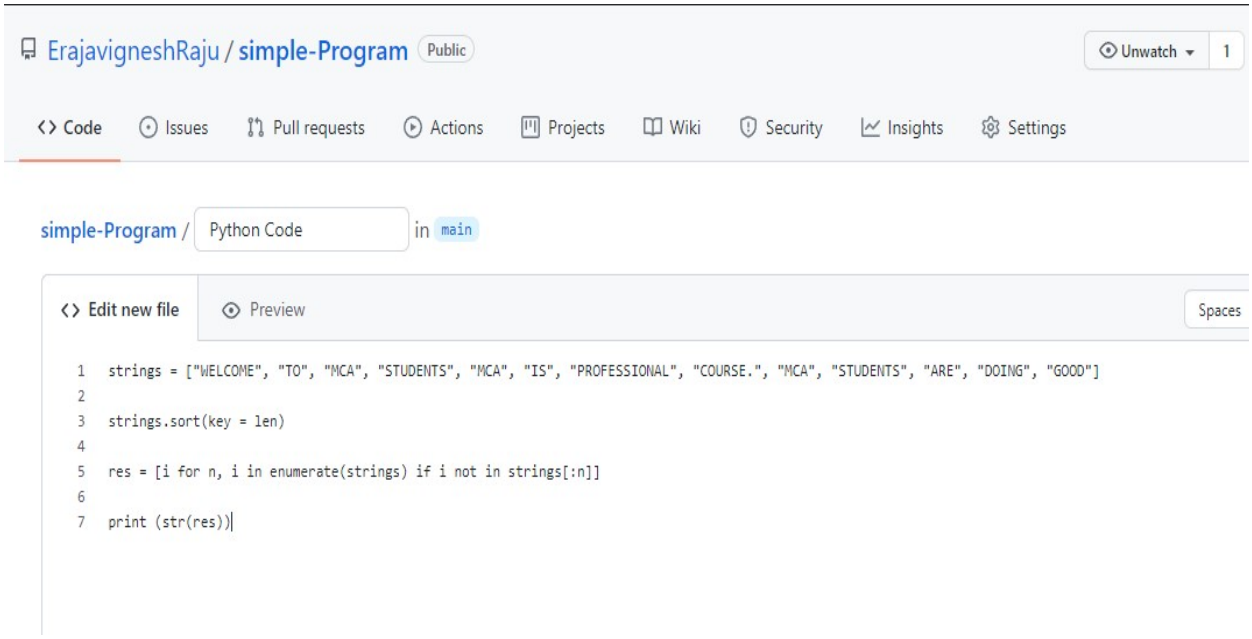
STEP 04: Give the respositories name and make as public



STEP 05: Click the create respository.

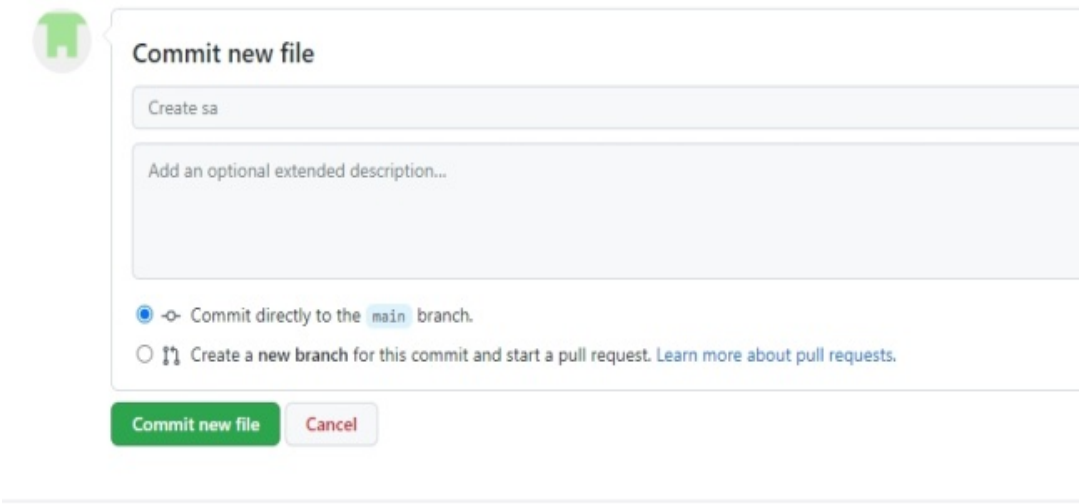


STEP 06: Click add file button. Click create file or upload file.

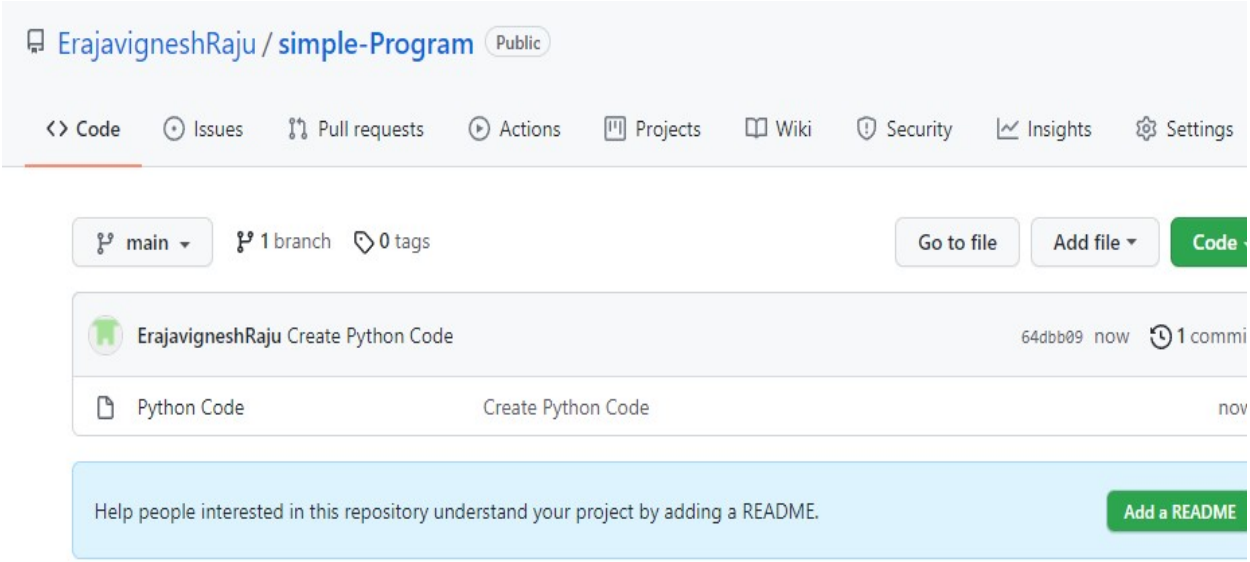


STEP 07: Choose the file and upload in github.

STEP 08: Click the button commit changes.



STEP 09: The new respository is to be created.



RESULT:

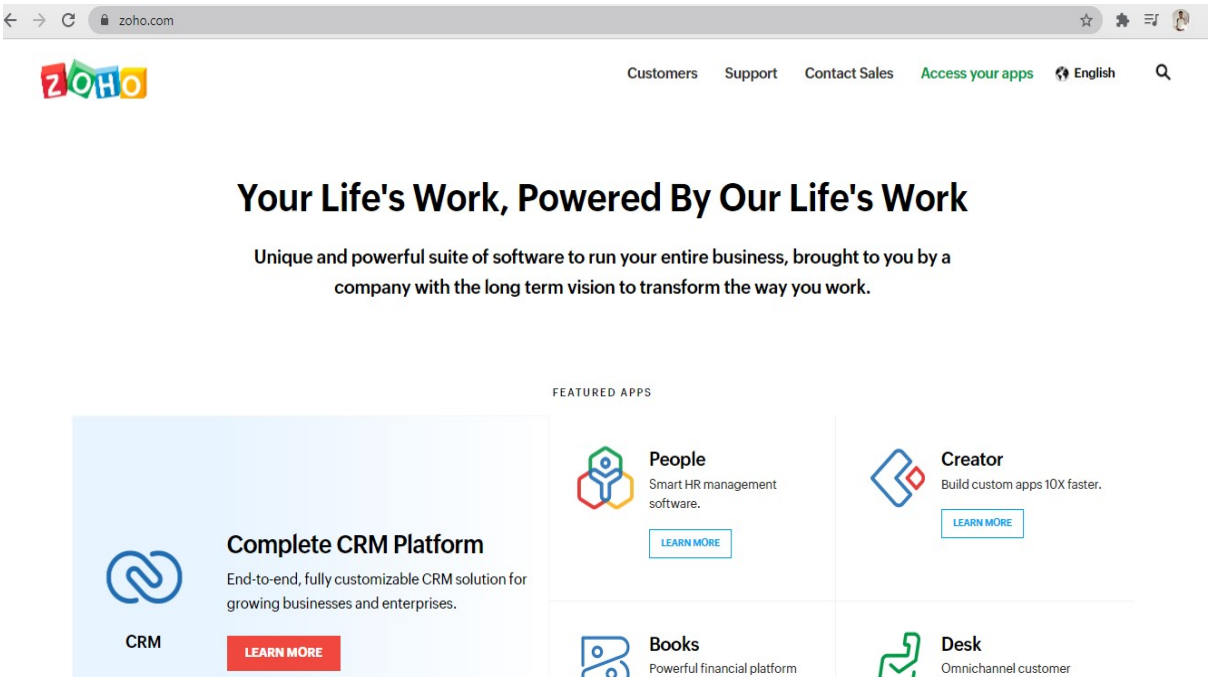
In Github, Repository has been created and program uploaded successfully.

EXPERIMENT NO: 03

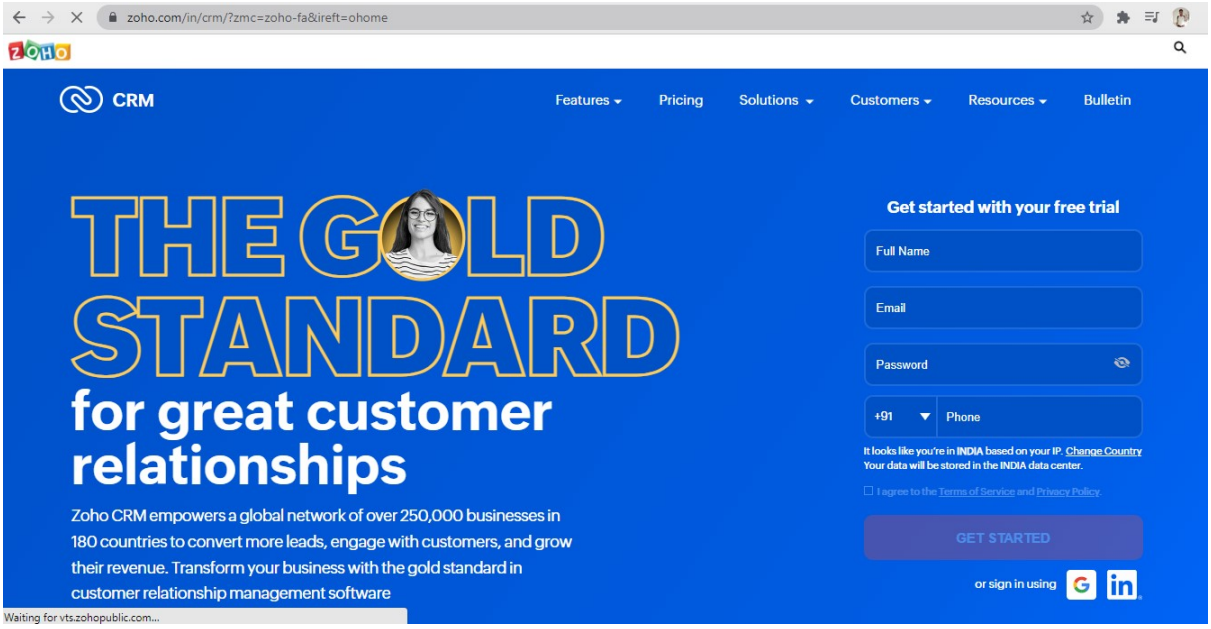
DATE :21/09/2021

SCHEDULER AND PERSONAL INFORMATION MANAGEMENT USING ZOHO

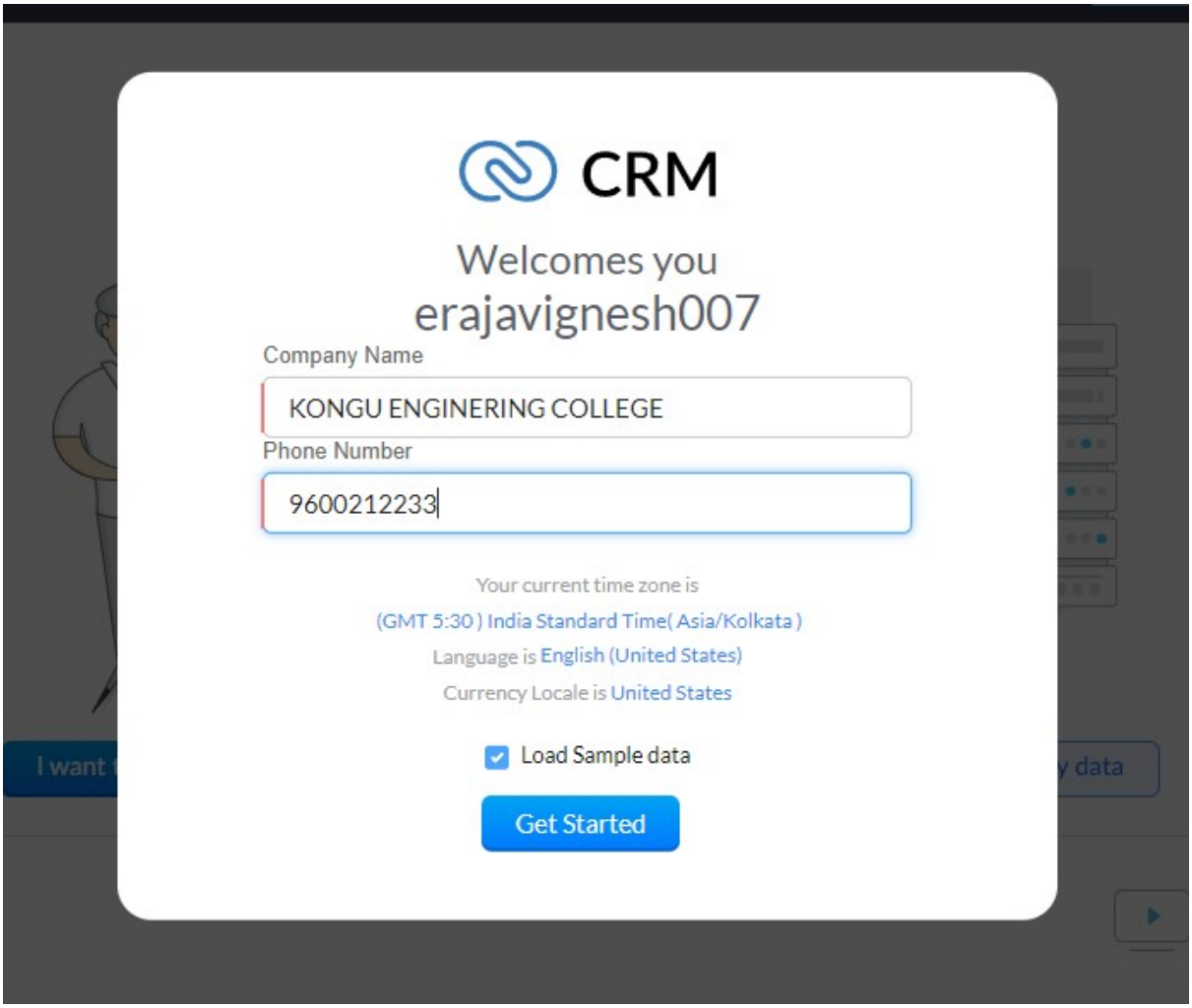
STEP1: Open the browser and login zoho.com using gmail id.



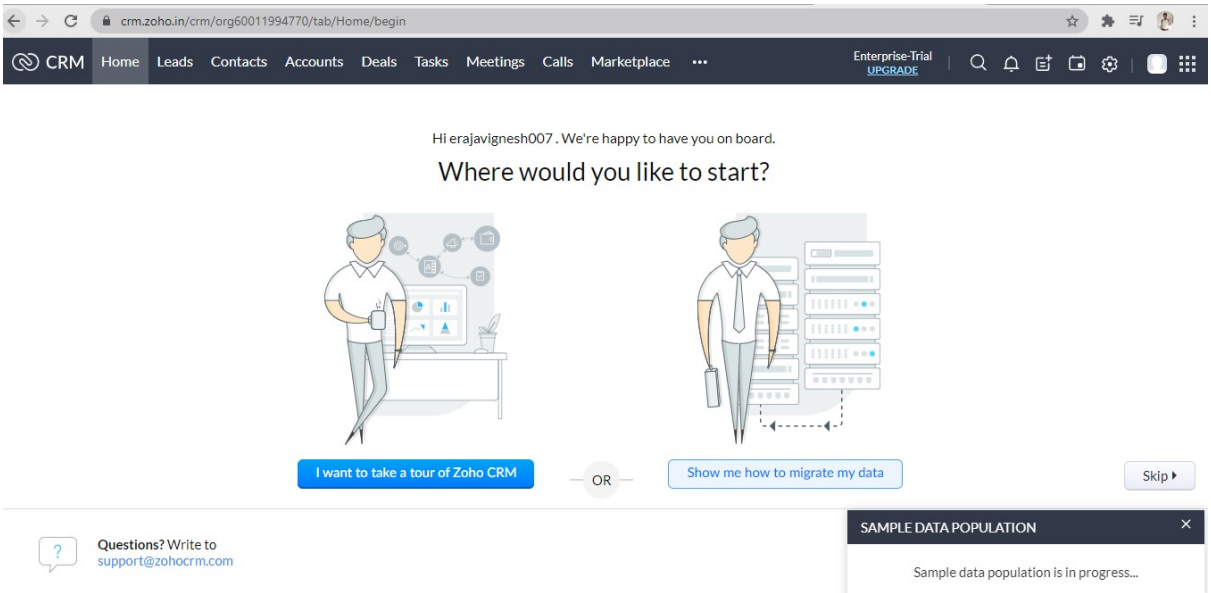
STEP2: Click CRM in the home page.



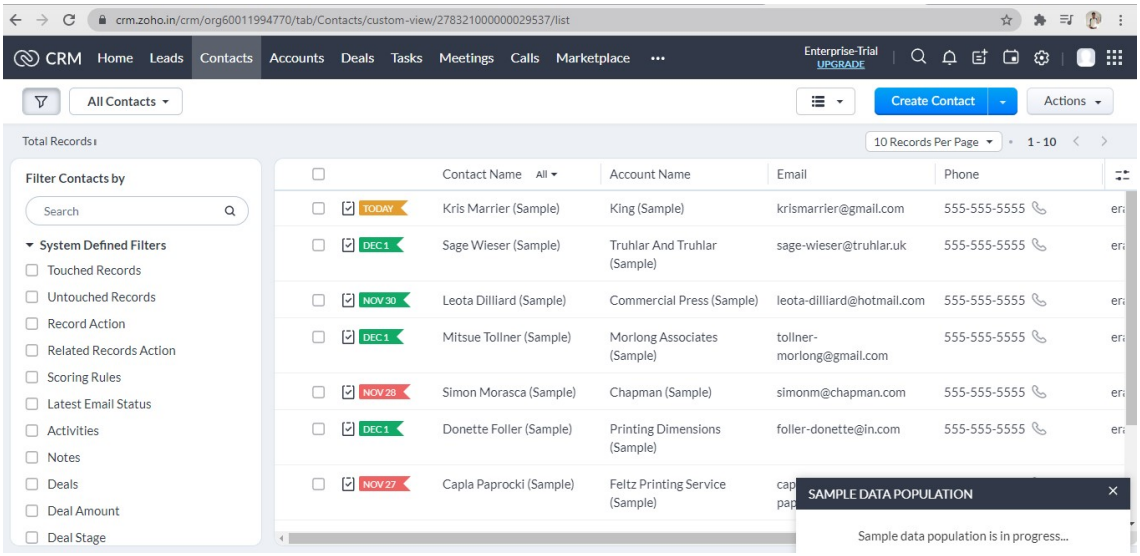
STEP 03: Enter the company name and phone number in the dialog box.

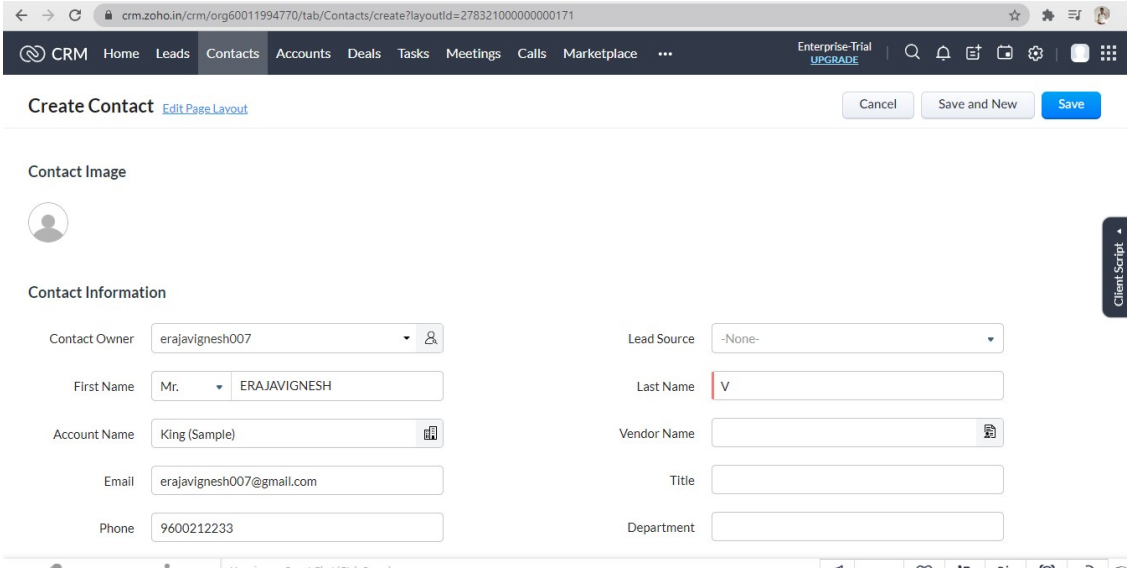


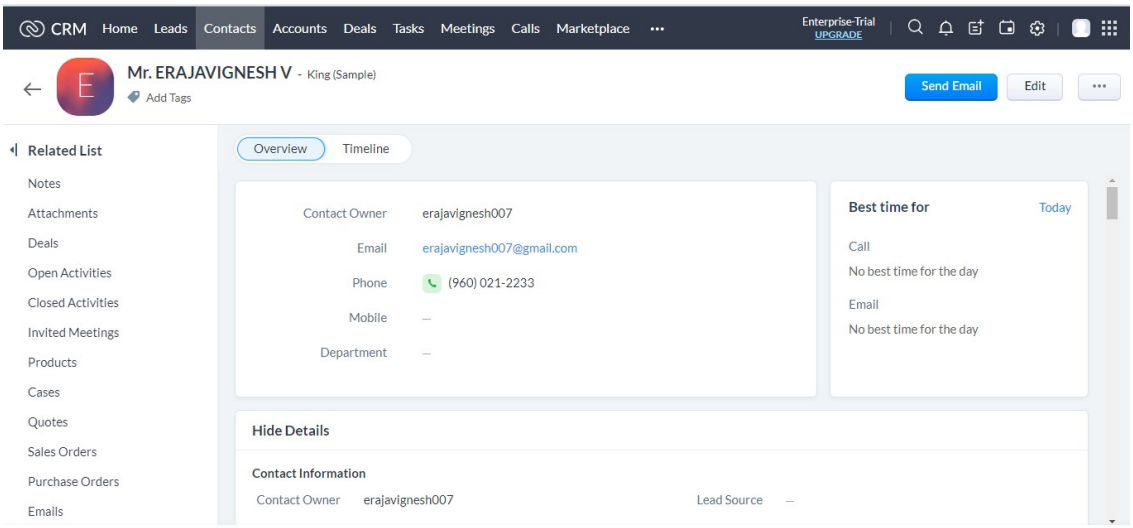
STEP 04: Home page is opened.Click the contacts on the top.



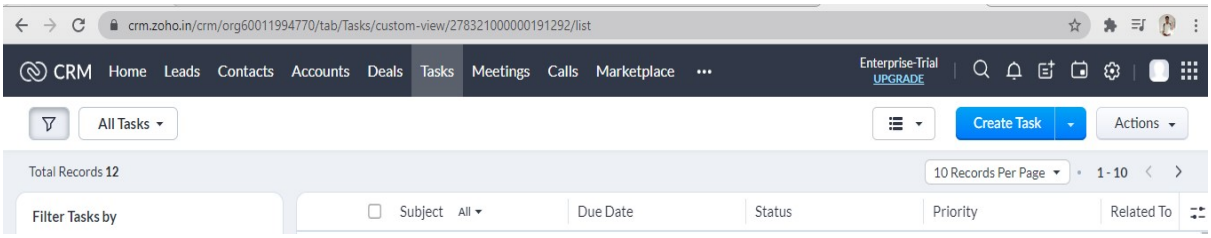
STEP 06: Enter the details and contact information. Click save.



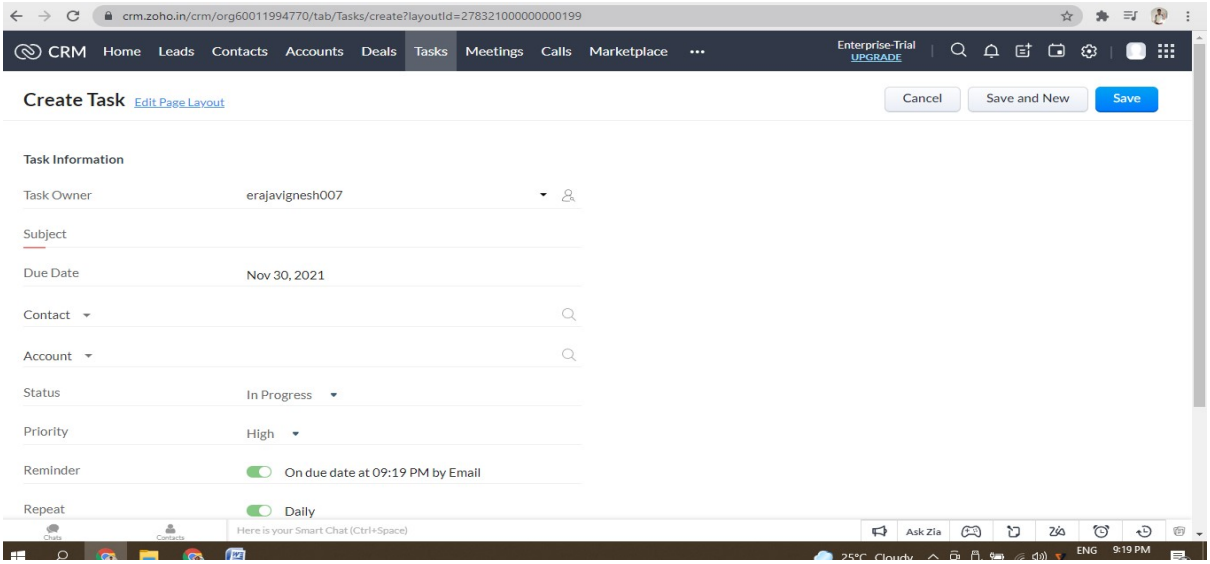




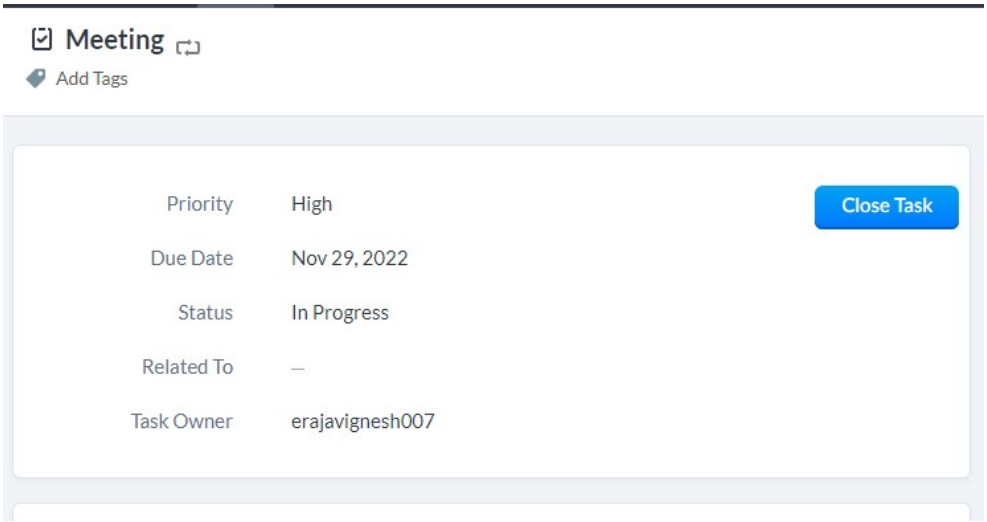
STEP 07: Cilck Task option in top.

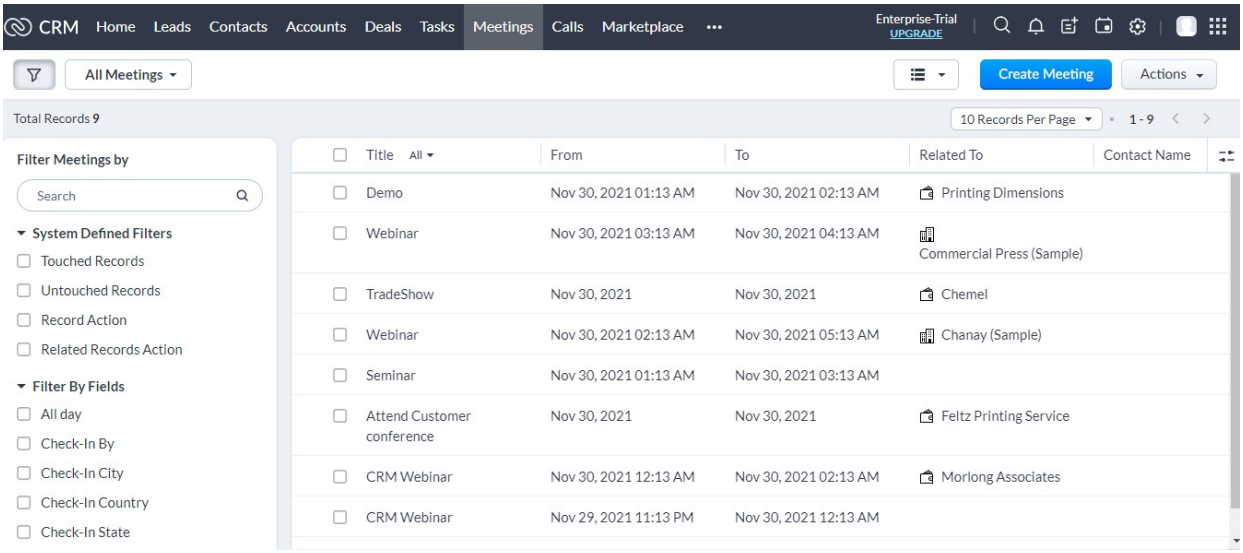


STEP 08: Click create task and enter detail then click save.



STEP 09: Click meeting option on top. Fill details and click save.





RESULT:

Scheduler And Personal Information Management Using Zoho and created a meeting successfully.

EXPERIMENT NO : 04

DATE : 30/09/2021

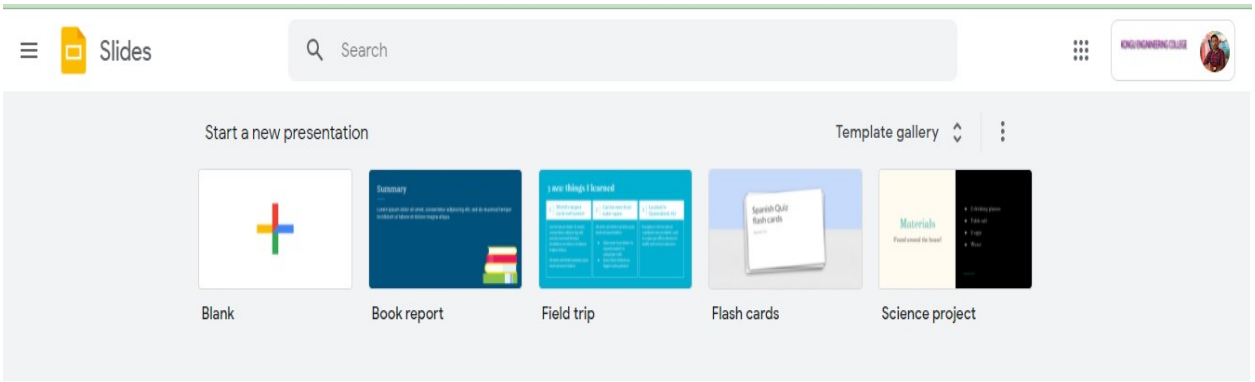
GOOGLE ONLINE SOFTWARE SERVICES

AIM:

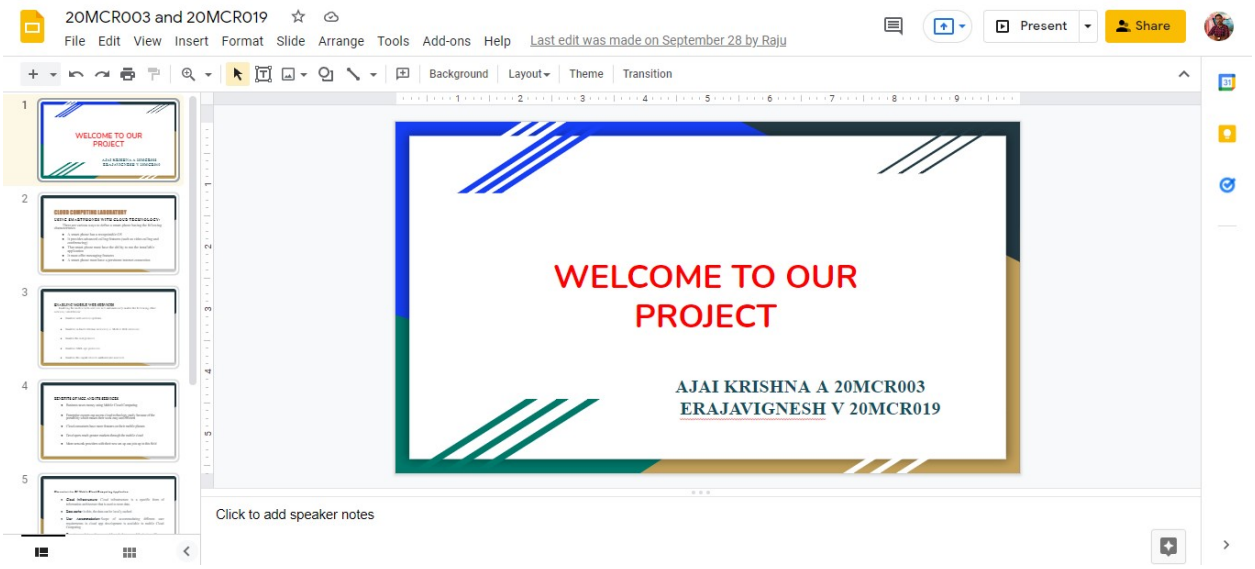
To implement an online office system in google cloud software.

STEPS:

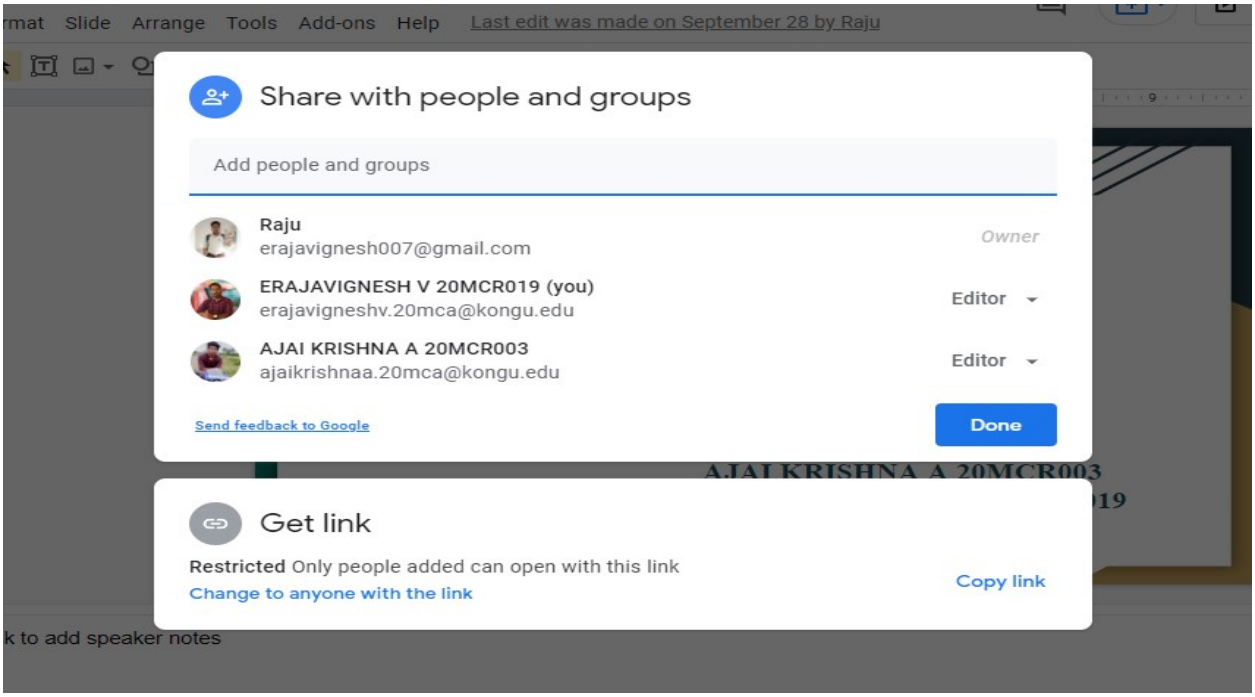
STEP 01: Open the Google Slides



STEP 02 : Create the slides with the content

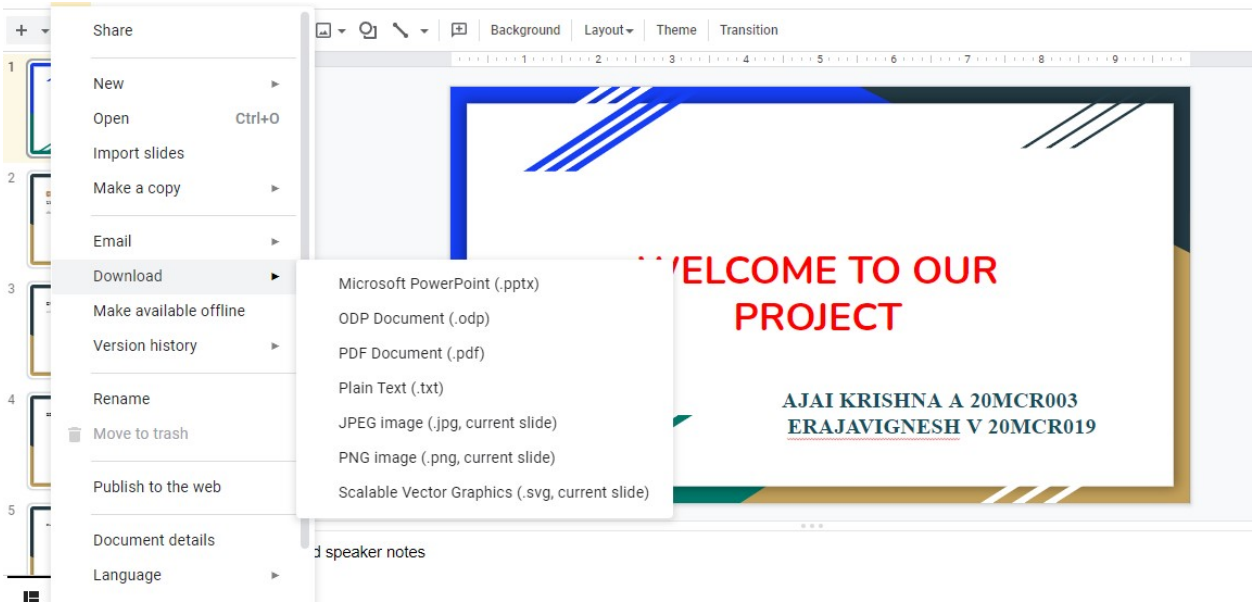


STEP 03 : Share the document to others gmail



STEP 04:The changes made by other in the documents will be reflected

STEP 05:Finally the document can also be downloaded



RESULT:

Google Online Software service slide has been created using google cloud software and displayed successfully.

EXPERIMENT: 05

DATE : 05/10/2021

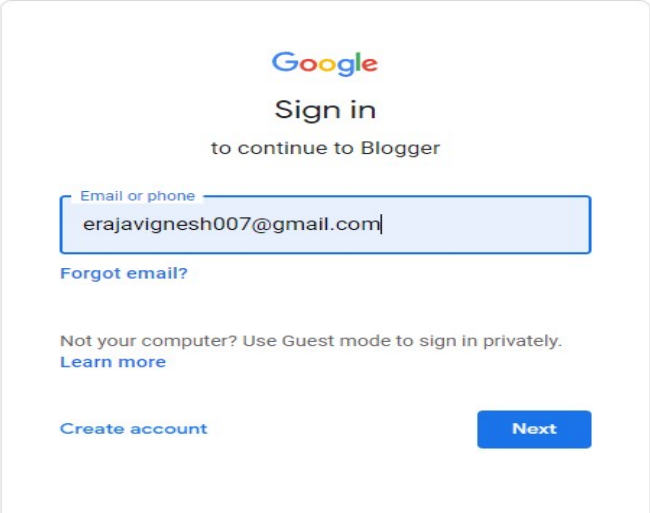
BLOG CREATION

AIM:

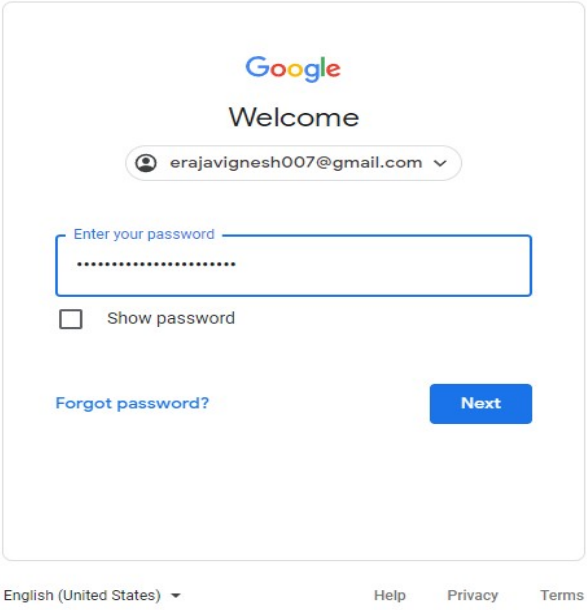
To create a blog and publish the content.

STEPS:

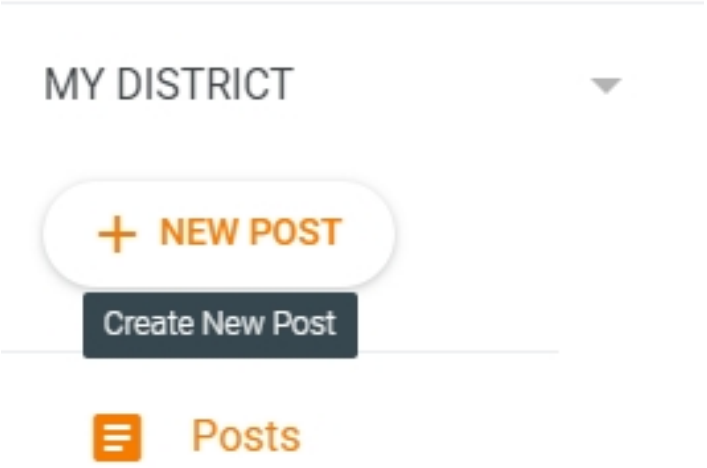
STEP 01: Open the browser and type login Blogspot.com.



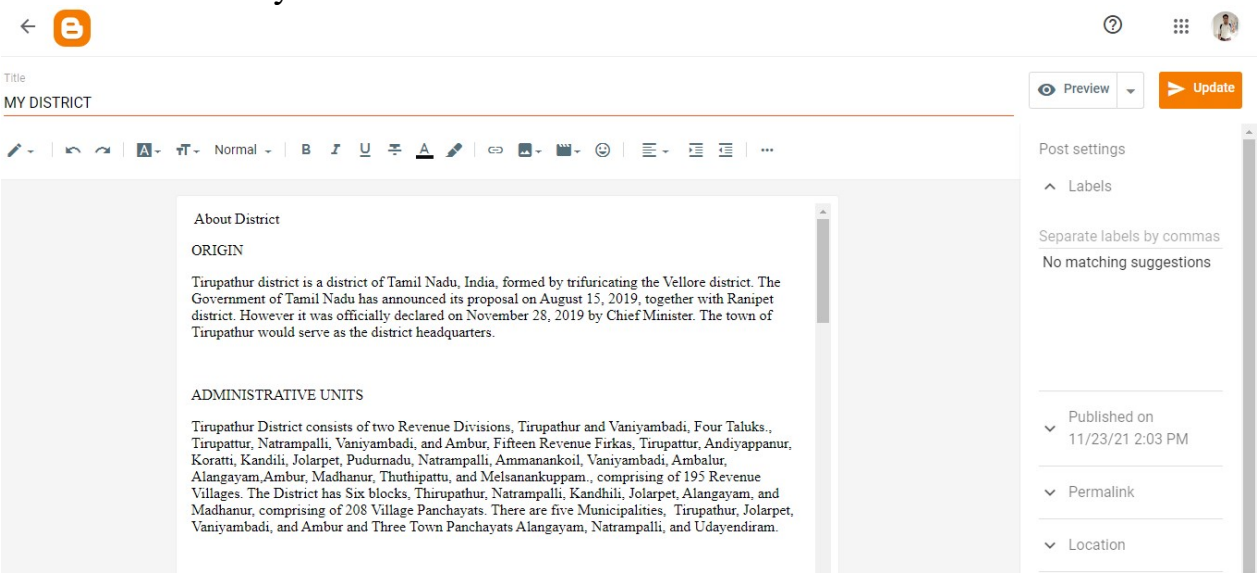
STEP 02 : Make sign into the website



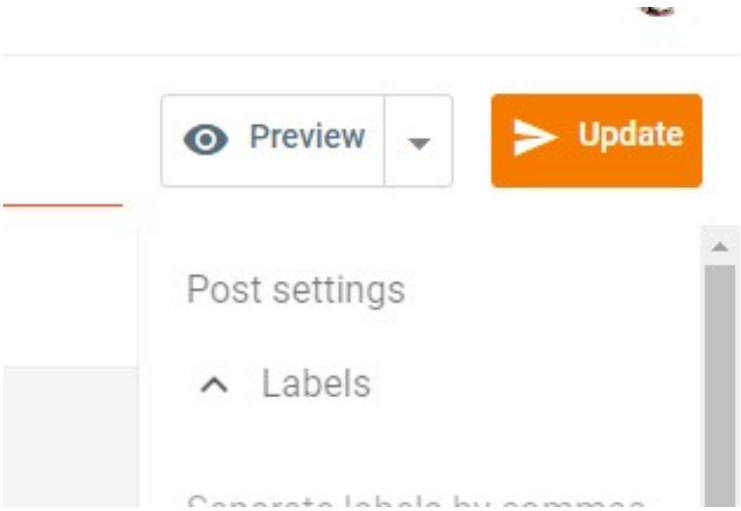
STEP 03: Create new post in left top corner



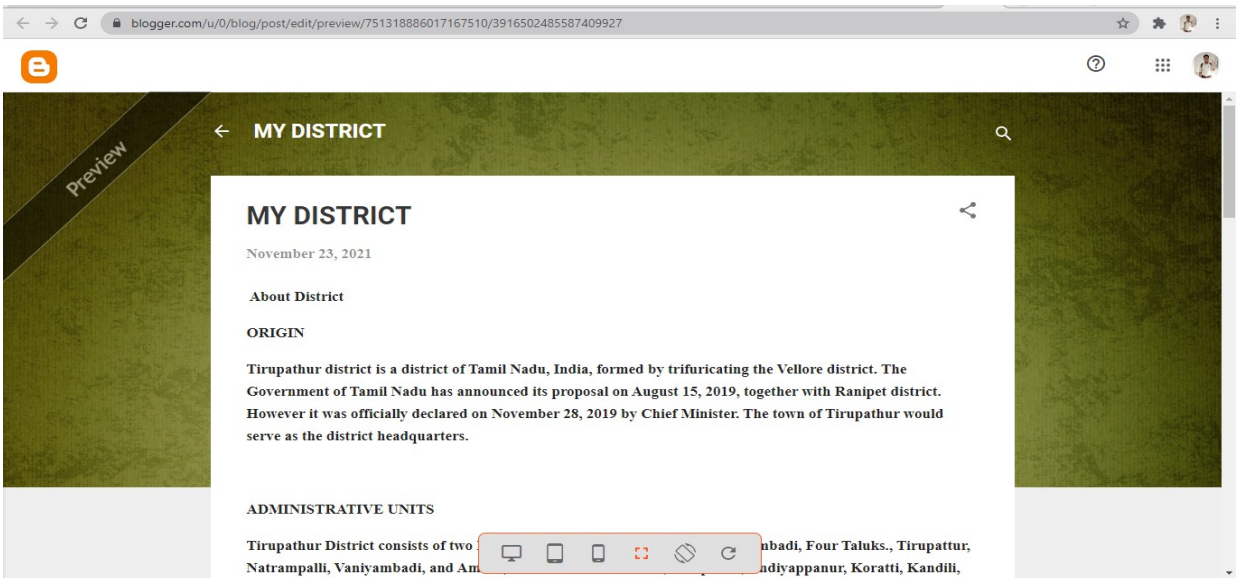
STEP 04: Create your own content.



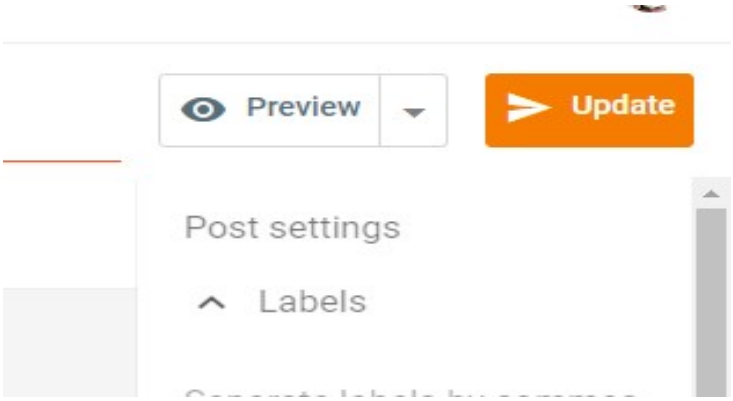
STEP 05: Once finished,click the preview button in the top right corner.



STEP 06: Preview of the content will be displayed.



STEP 07: Click the button publish(Update).



STEP 08: By clicking the publish button,the content created will be published.

STEP 09:The changes of the time for the content are available on the left side of the web page.

STEP 10:The content published can be edited at any time.

RESULT:

Blog has been created using wix.com and published successfully.

EXPERIMENT NO: 06

DATE : 12/10/2021

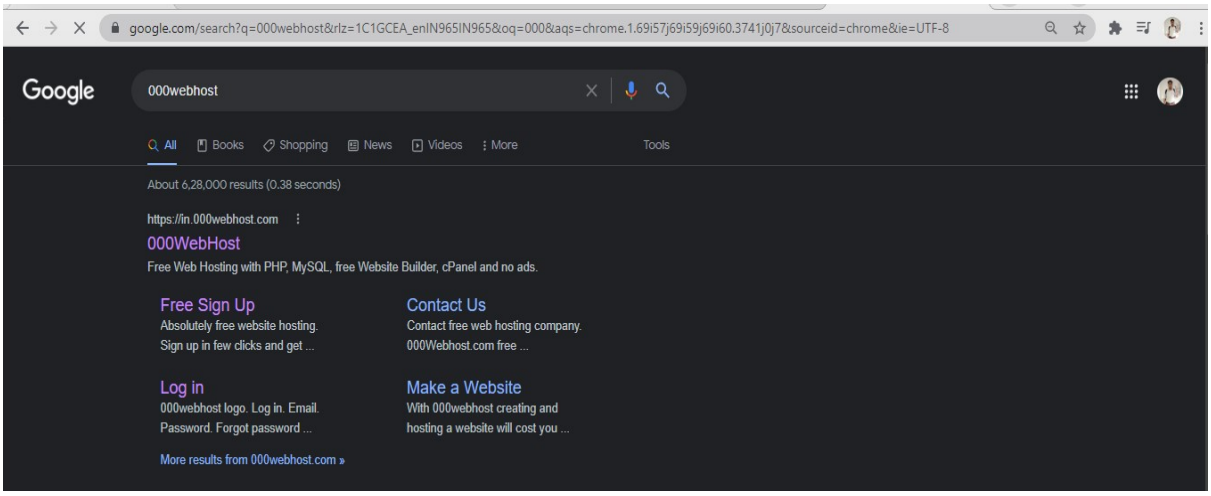
WEB APPLICATION DEPLOYMENT IN 000WEBHOST CLOUD PLATFORM

AIM :

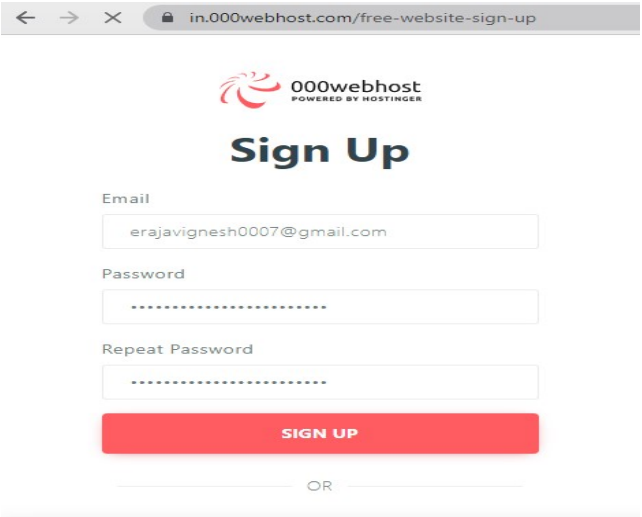
To Create a website and best in 000webhost

STEPS :

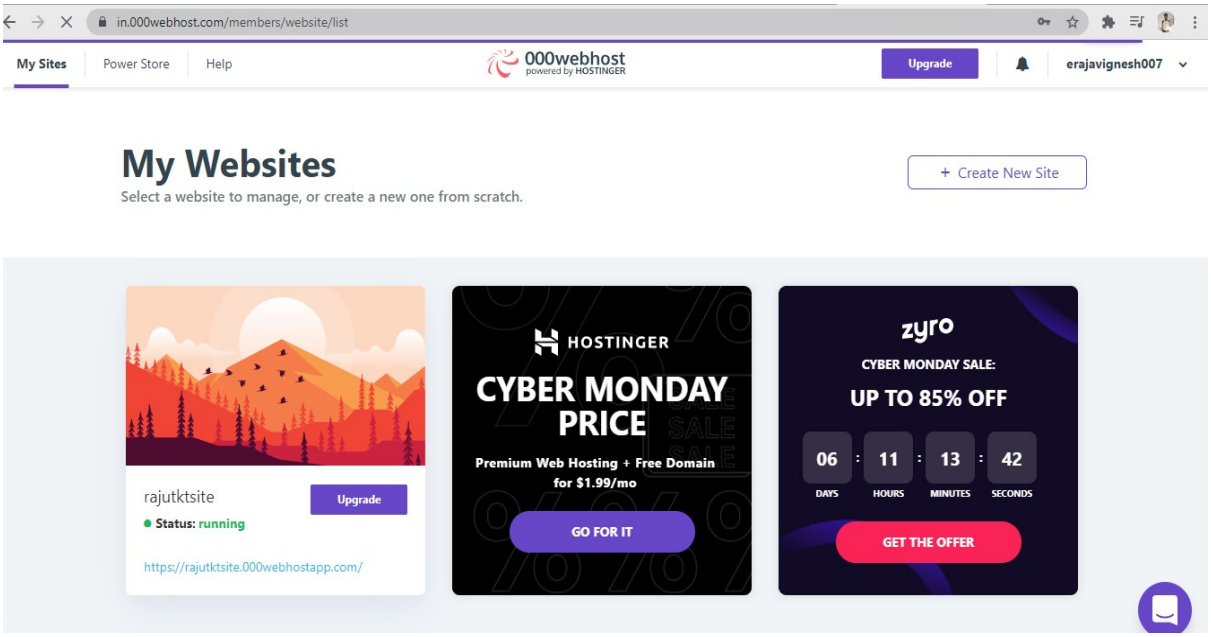
STEP 01: Open the URL in 000webhost



STEP 02: Sign in to that website

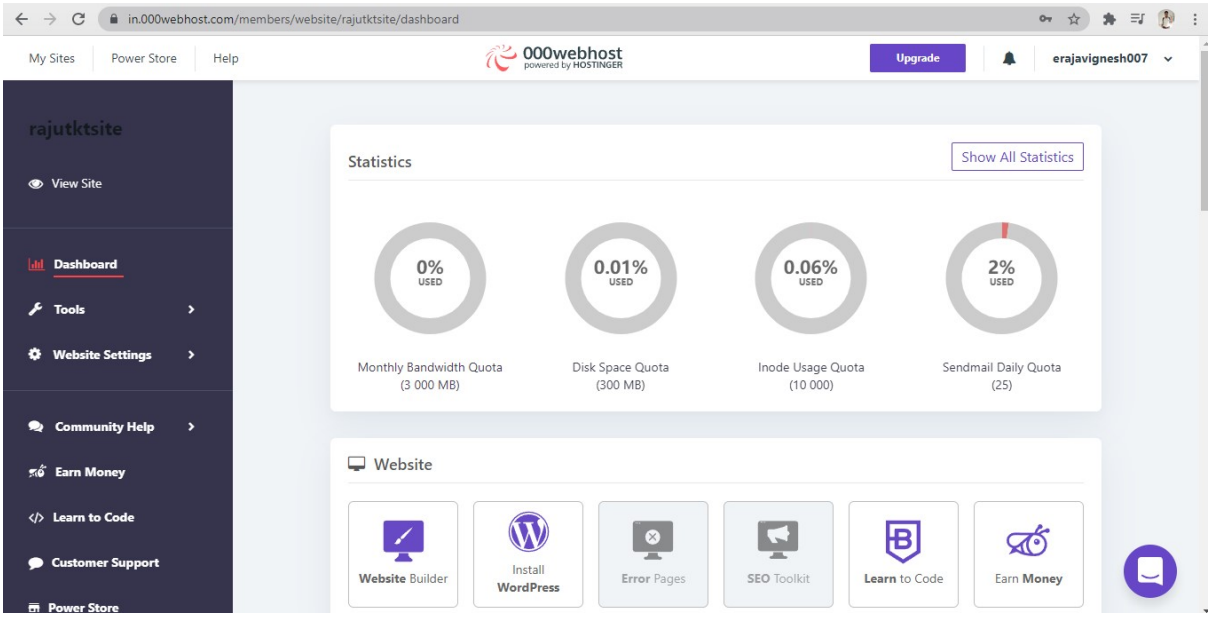


STEP 03: Click the Create new site button



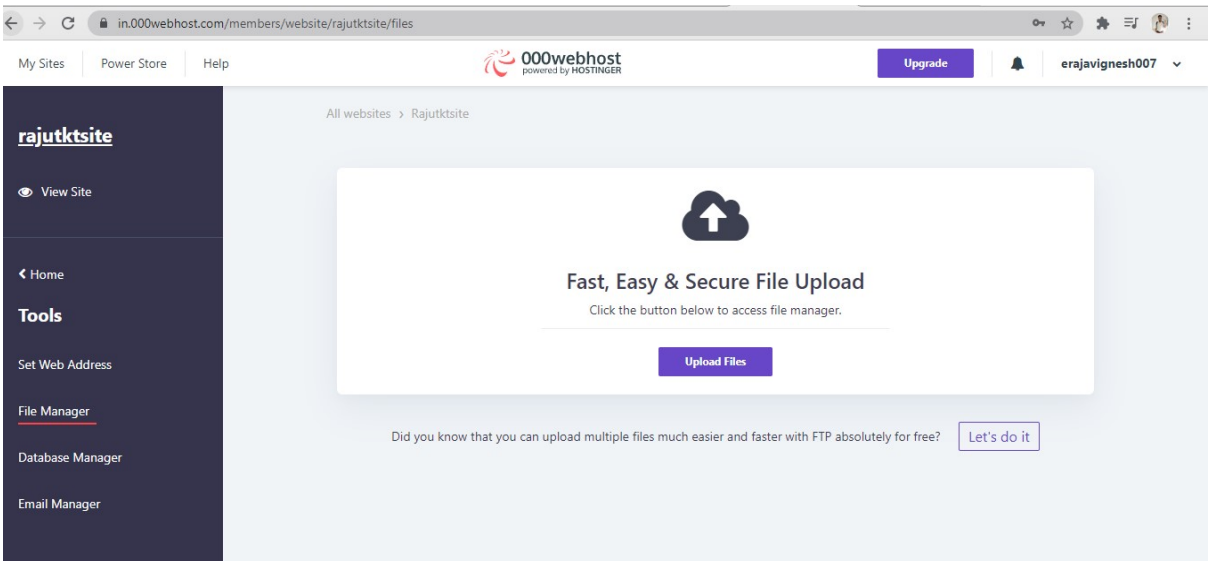
STEP 04: Click web design

STEP 05: Give the our website name

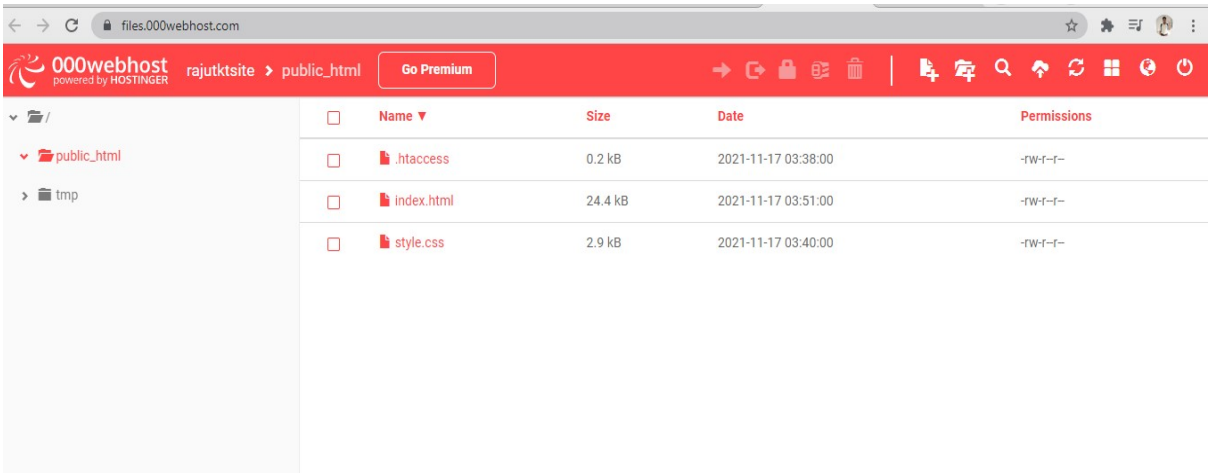


STEP 06: Given password for our website

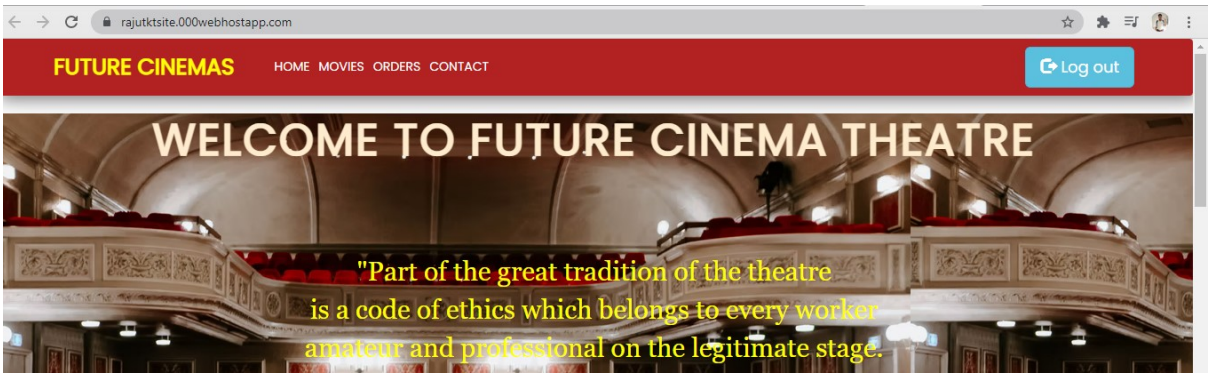
STEP 07: Then Click upload your file



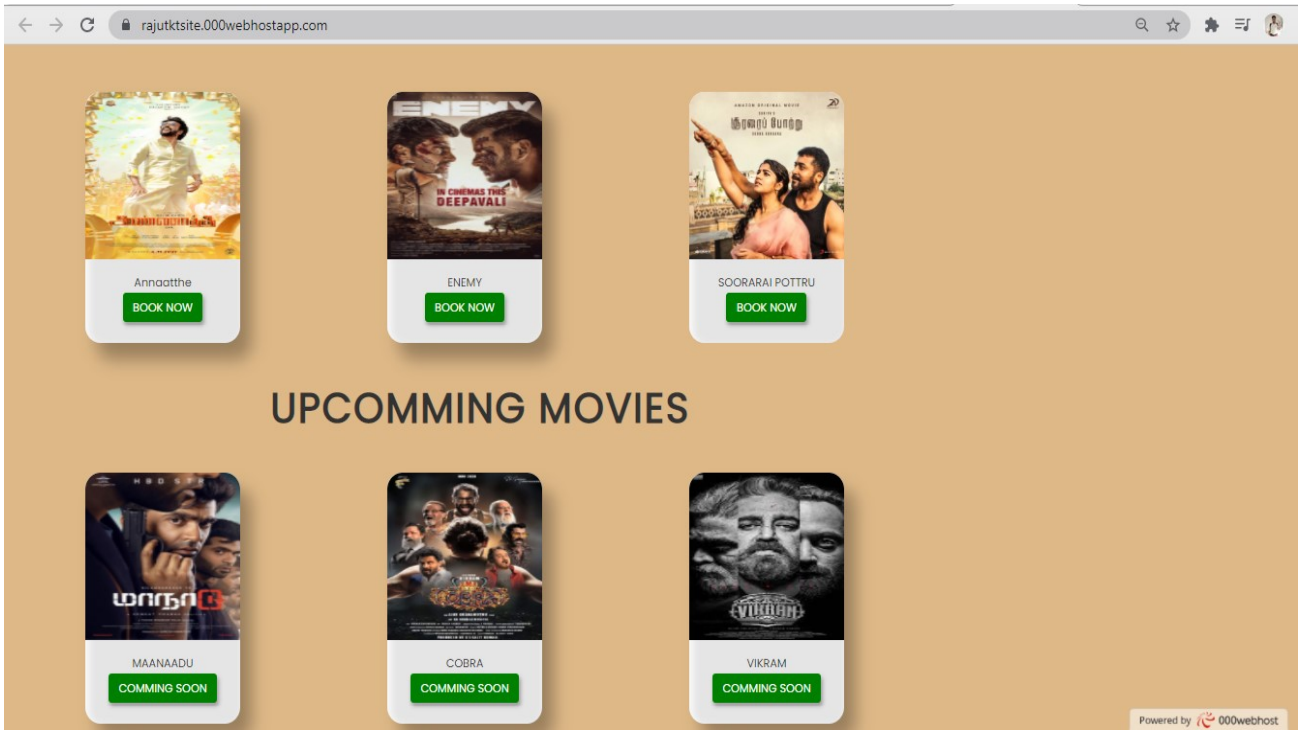
STEP 08: Click public.html



STEP 9: After uploaded the link will be displayed



STEP 10: Click that link our website will opened in another tab



RESULT:

Web application has been created and hosted in 000webhost successfully.

EXPERIMENT NO: 07

DATE : 29/10/2021

CRM MANAGEMENT USING SALESFORCE CLOUD PLATFORM

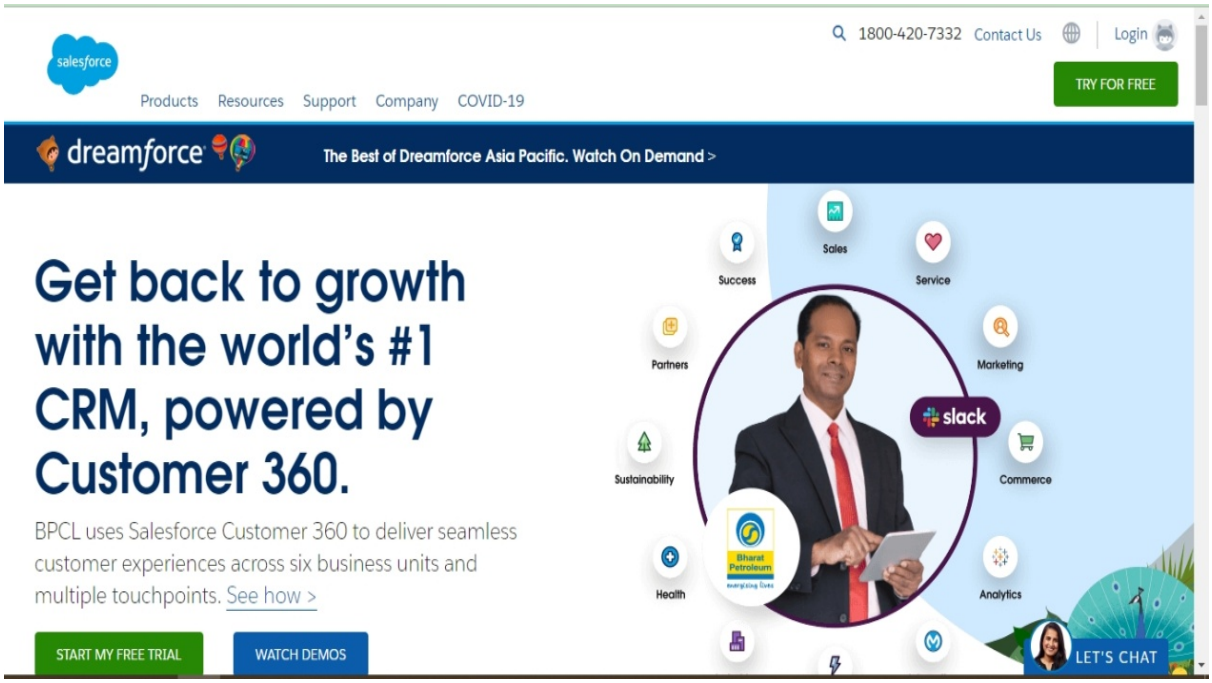
AIM:

To Create a Customer Relationship management system (CRM) using Salesforce.com

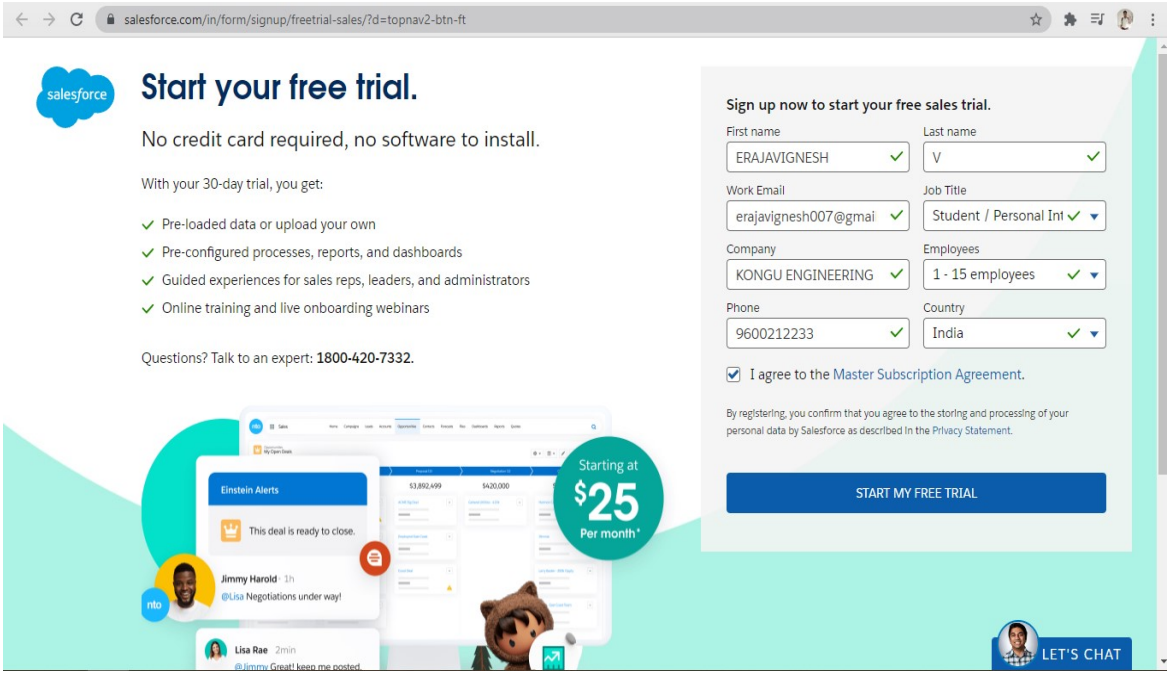
STEPS:

STEP 01: Open google chrome and search login salesforce.com

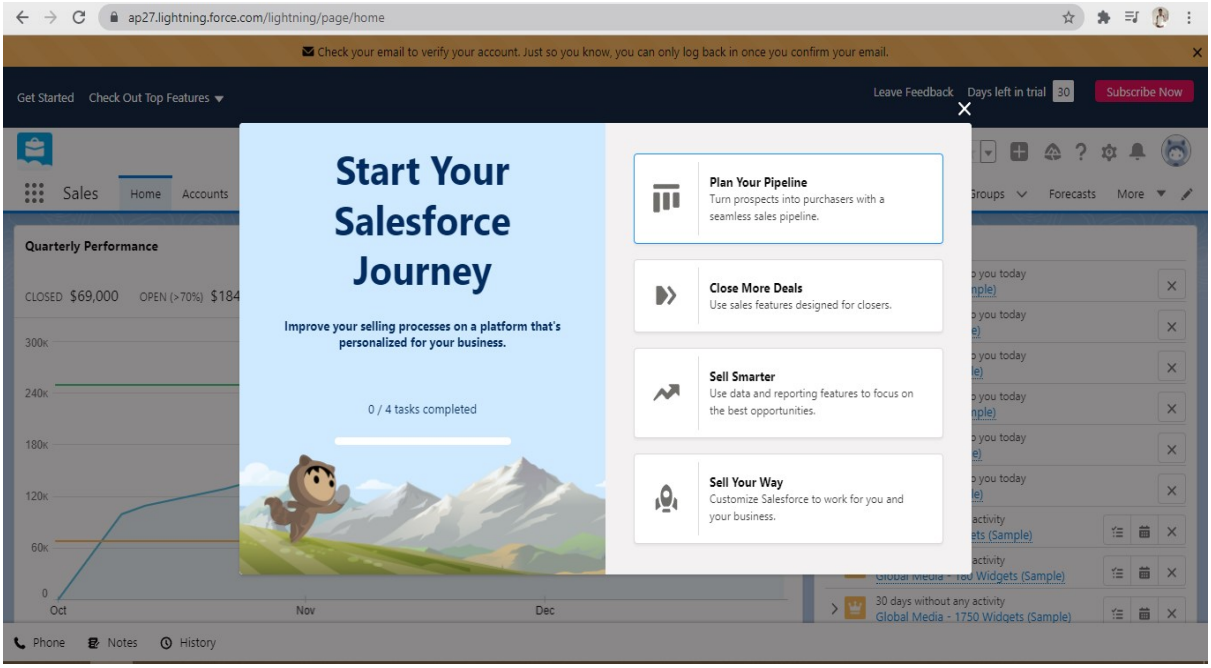
STEP 02: Click the button try for free



STEP 03: Fill the all Signup details



STEP 04: It will enters in new windows

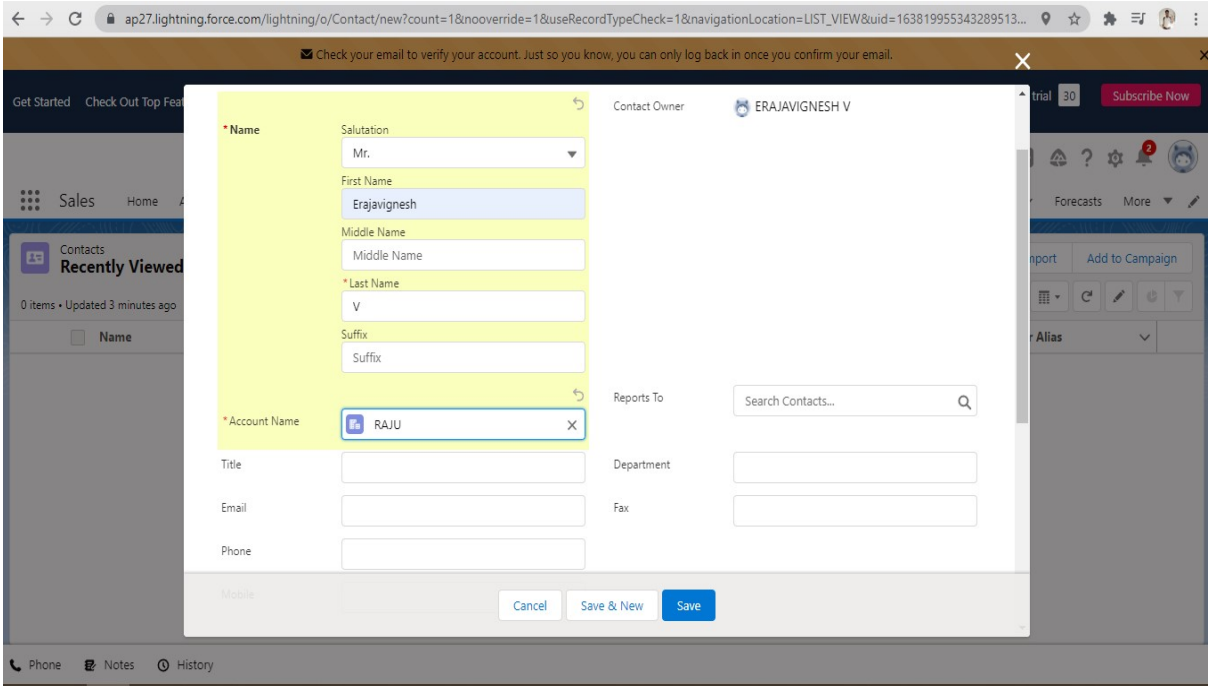


STEP 05: Click the Contacts

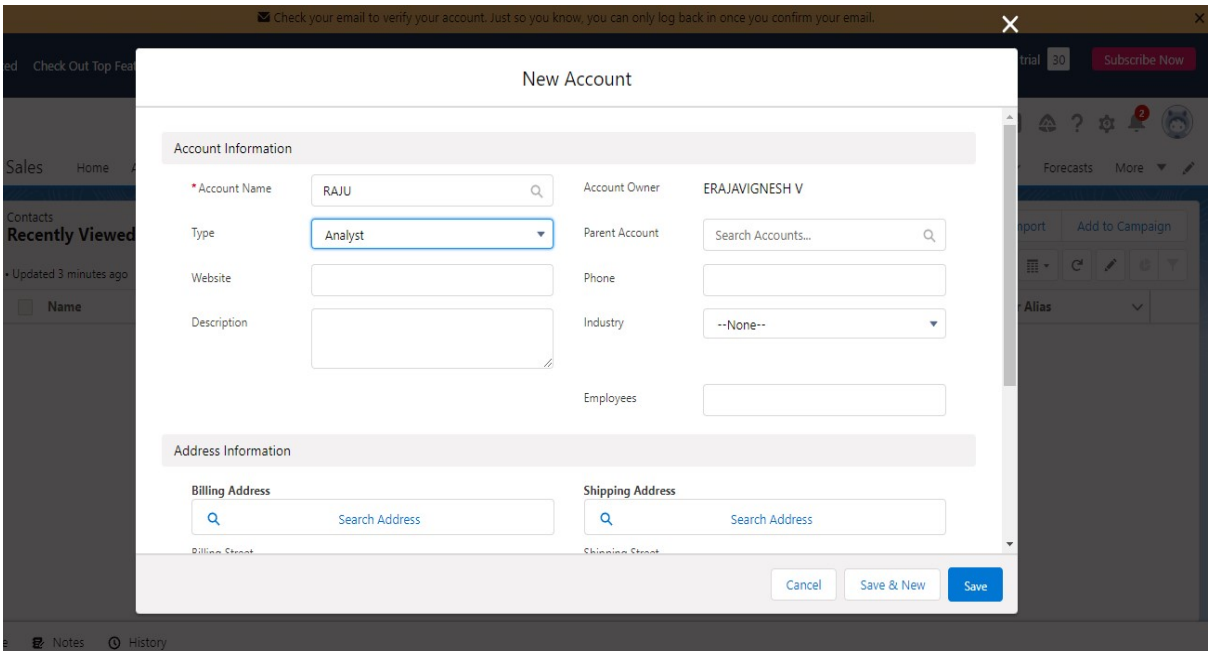
STEP 06: From the contacts Click New

STEP 07: One dialog box Pops up

STEP 08: Enter the contact details

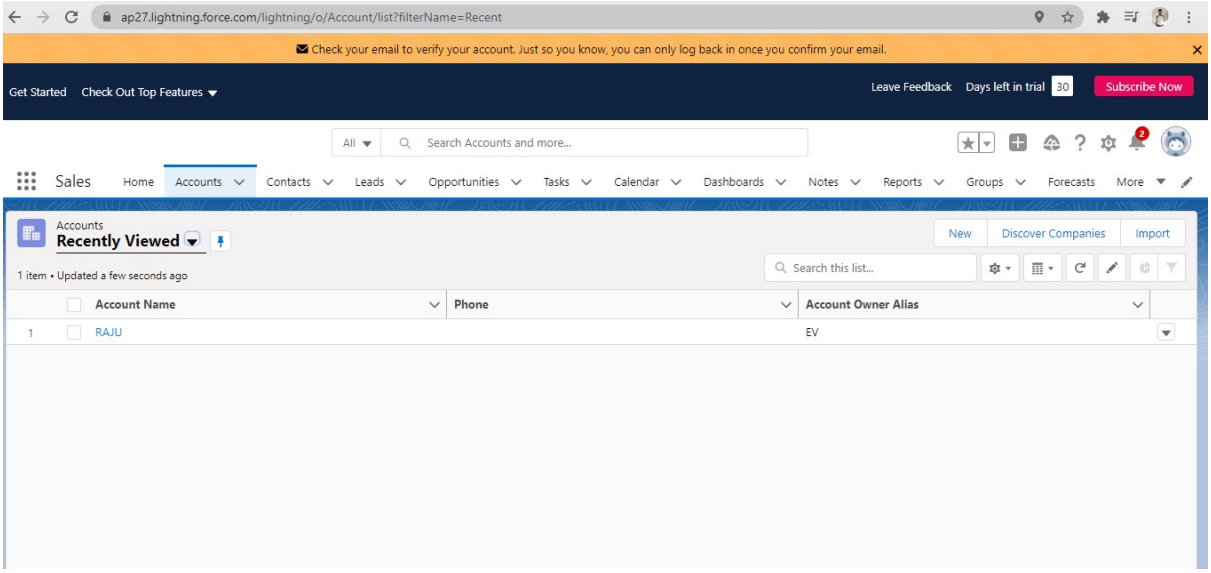


STEP 09: Choose the new account



STEP 10: Fill the account details

STEP 11: Our account will be created



RESULT:

The CRM management using salesforce in cloud platform has been created successfully.

EXPERIMENT NO: 08

DATE : 12/11/2021 & 13/11/2021

WORKING WITH AWS RDS INSTANCE

AIM:

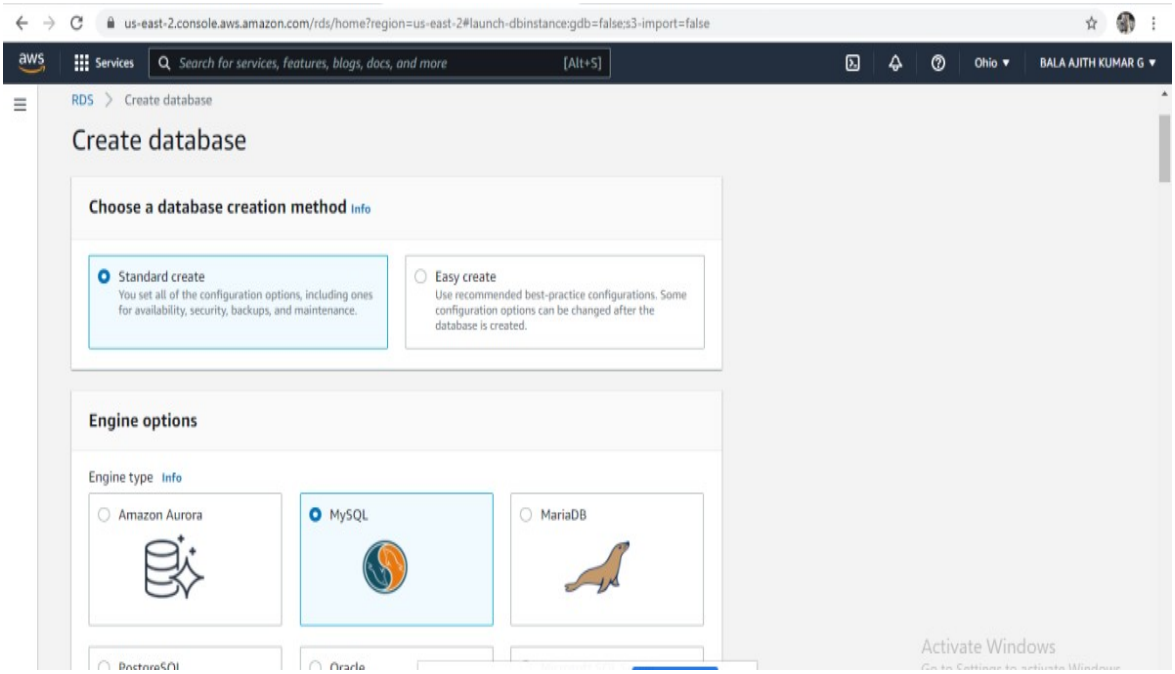
To launch RDS Instance in AWS Platform

STEPS:

STEP 01: Open the browser and search AWS.

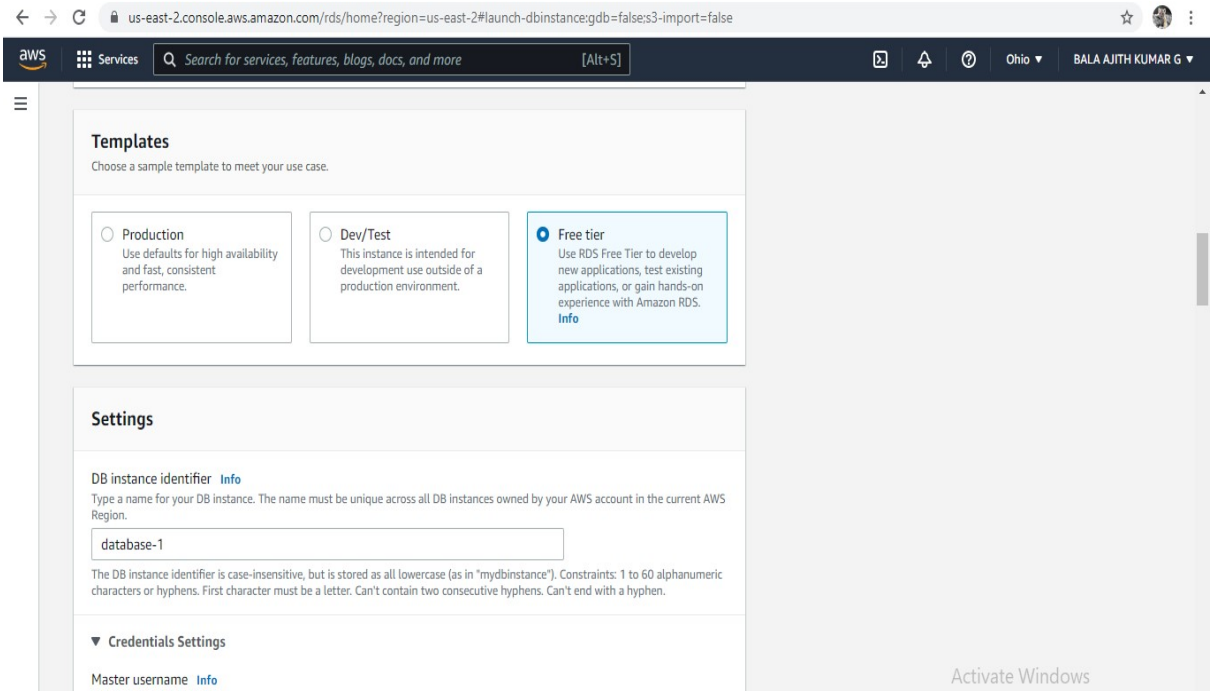
STEP 02: From Search windows, type RDS.

STEP 03: Create Database.



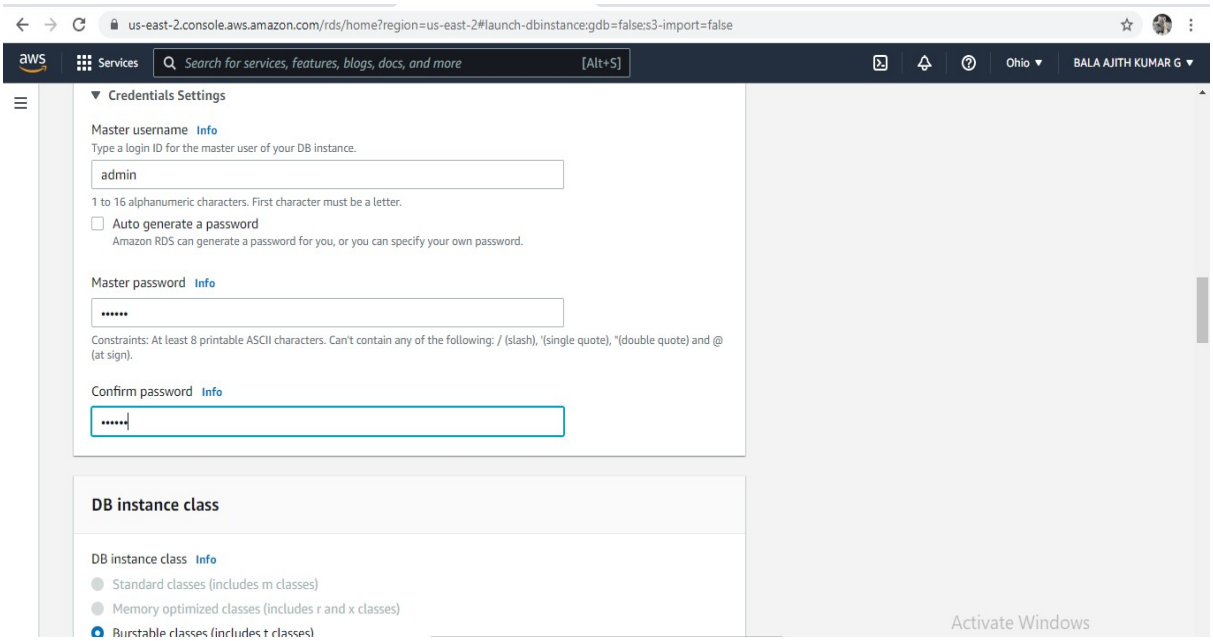
STEP 04: Select MYSQL from engine option as the MYSQL software.

STEP 05: From template, Select free tier.



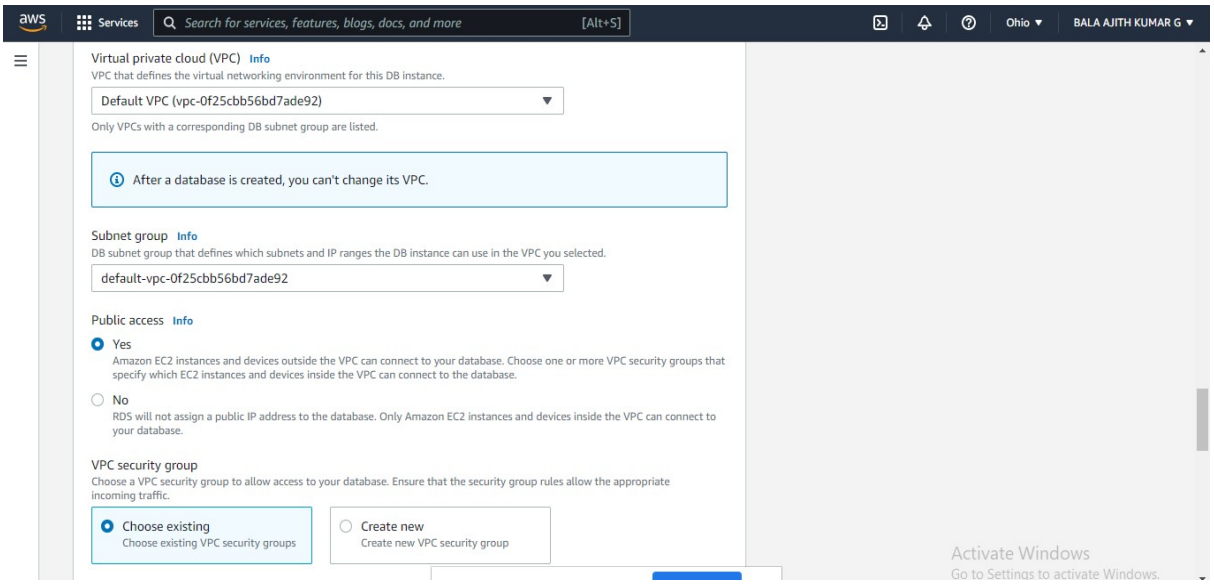
STEP 06: From setting given name for DB instance identifier.

STEP 07: From credential setting given master username as admin.

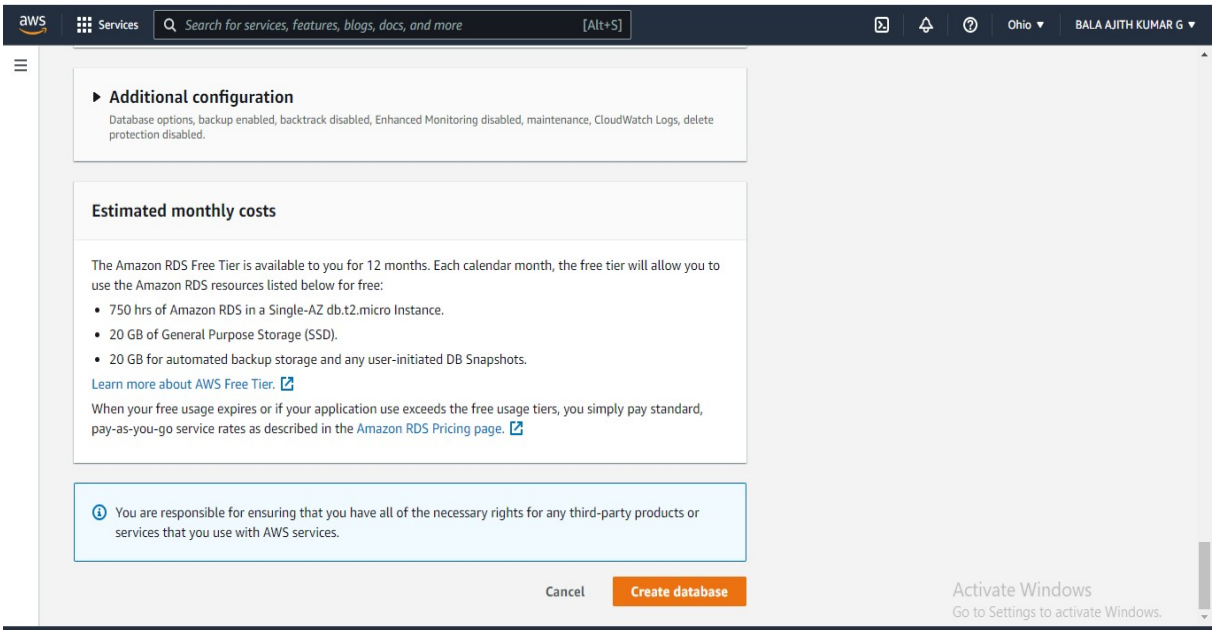


STEP 08: Given master password to connect local MYSQL database.

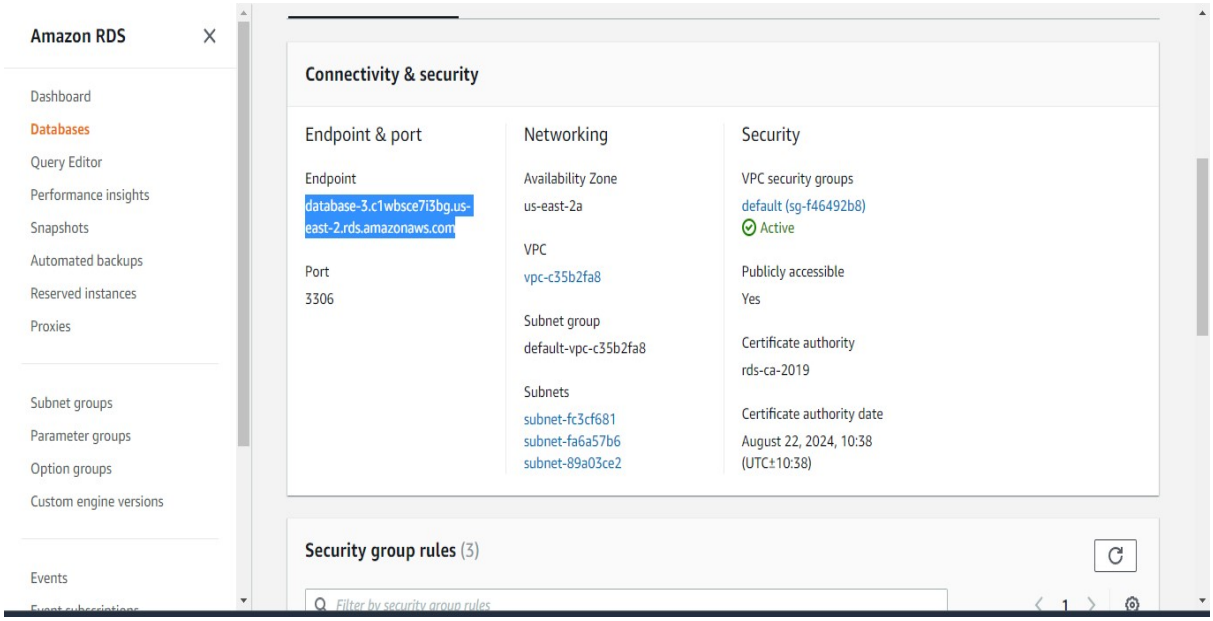
STEP 09: From connectivity select YES for public access.



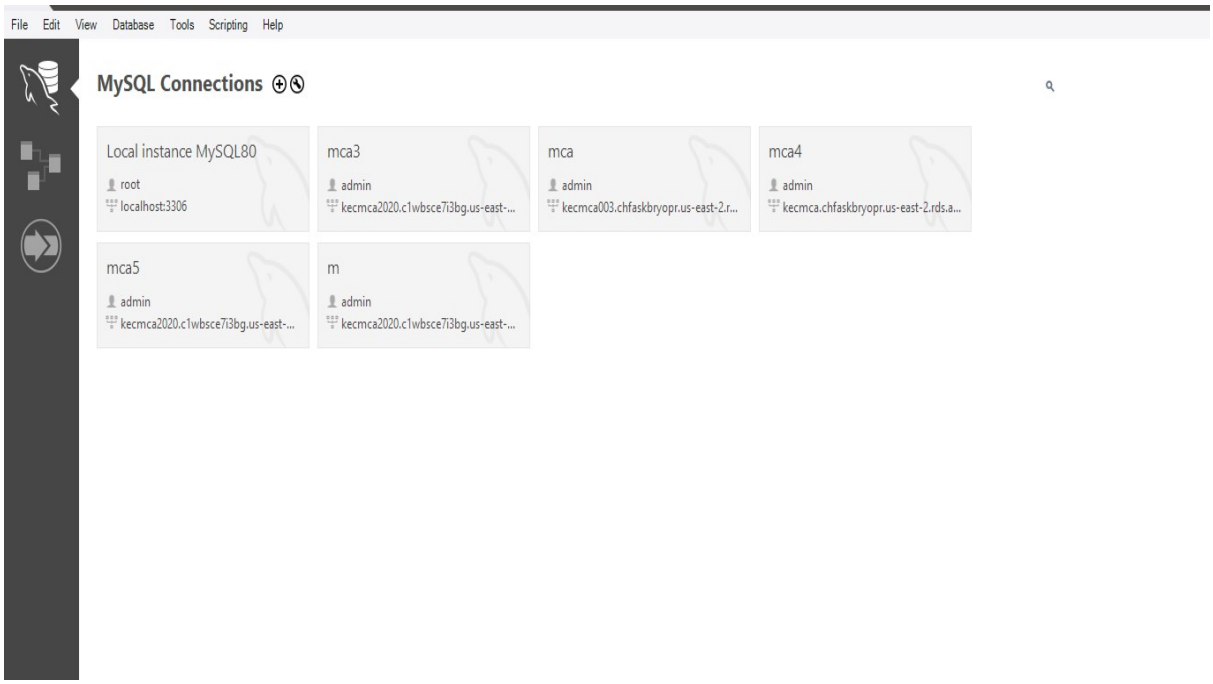
STEP 10: Click create database button at bottom.



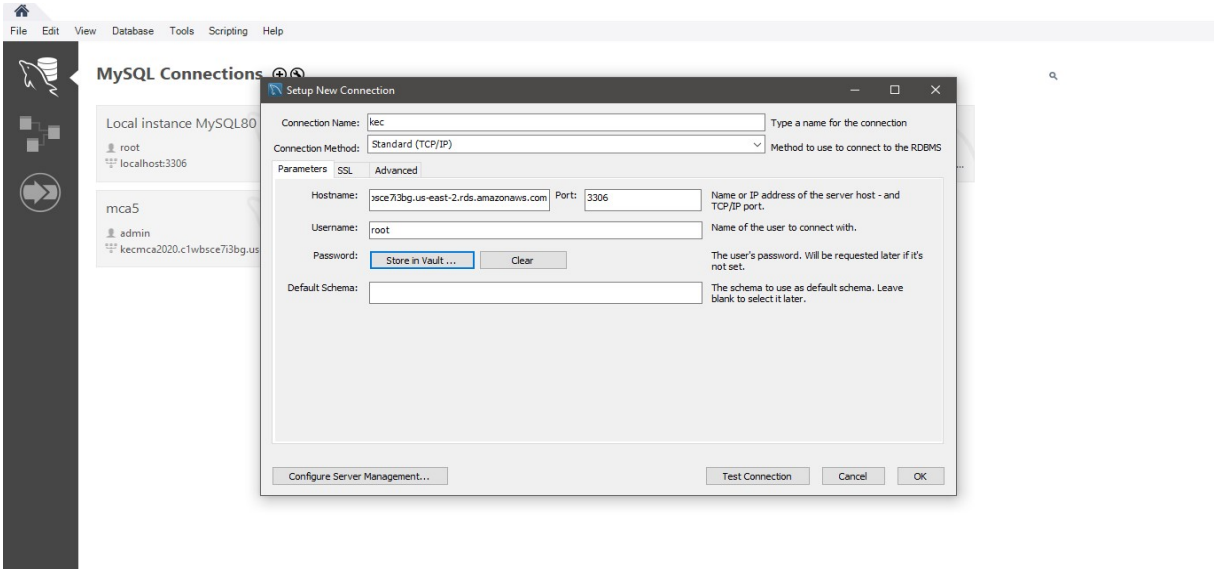
STEP 11: From RDS instance from connectivity and security tab, copy the endpoint and security tab, copy the endpoint and port string.



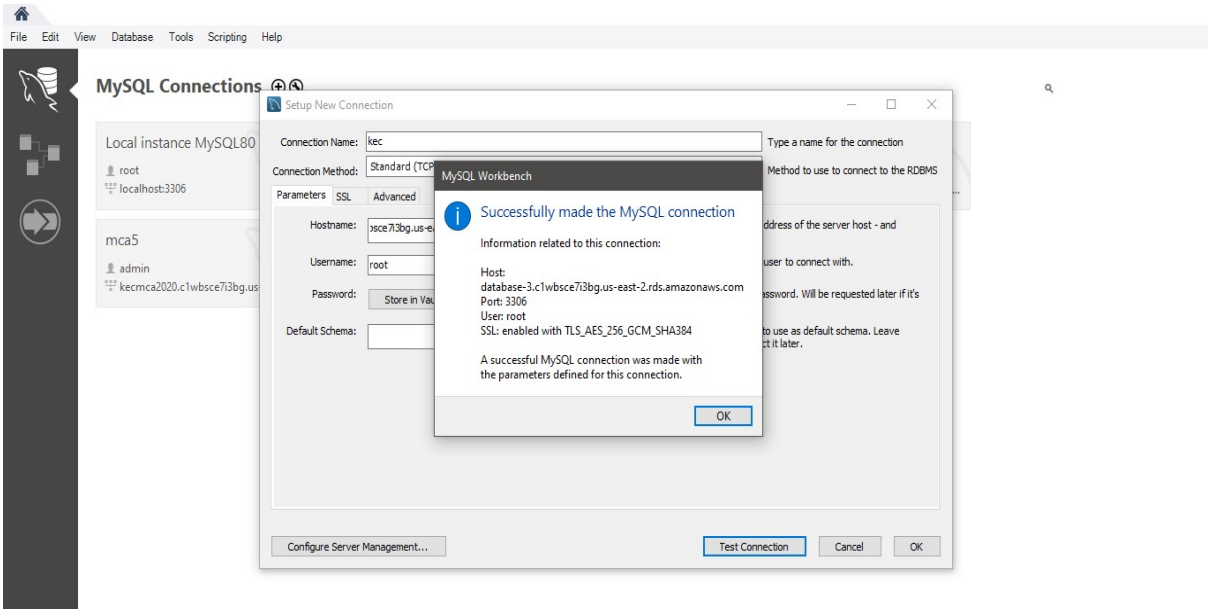
STEP 12: Go to Local MYSQL database software (MYSQL Workbench).



STEP 13: Select the database menu, select the manage connections.

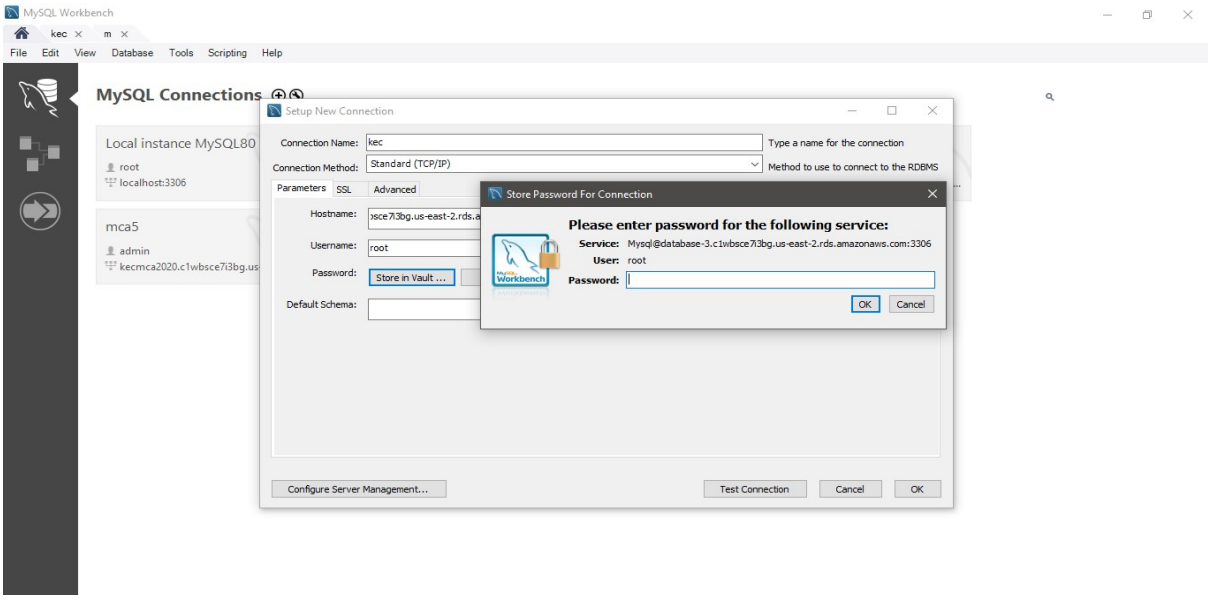


STEP 14: The new dialog box is opened.



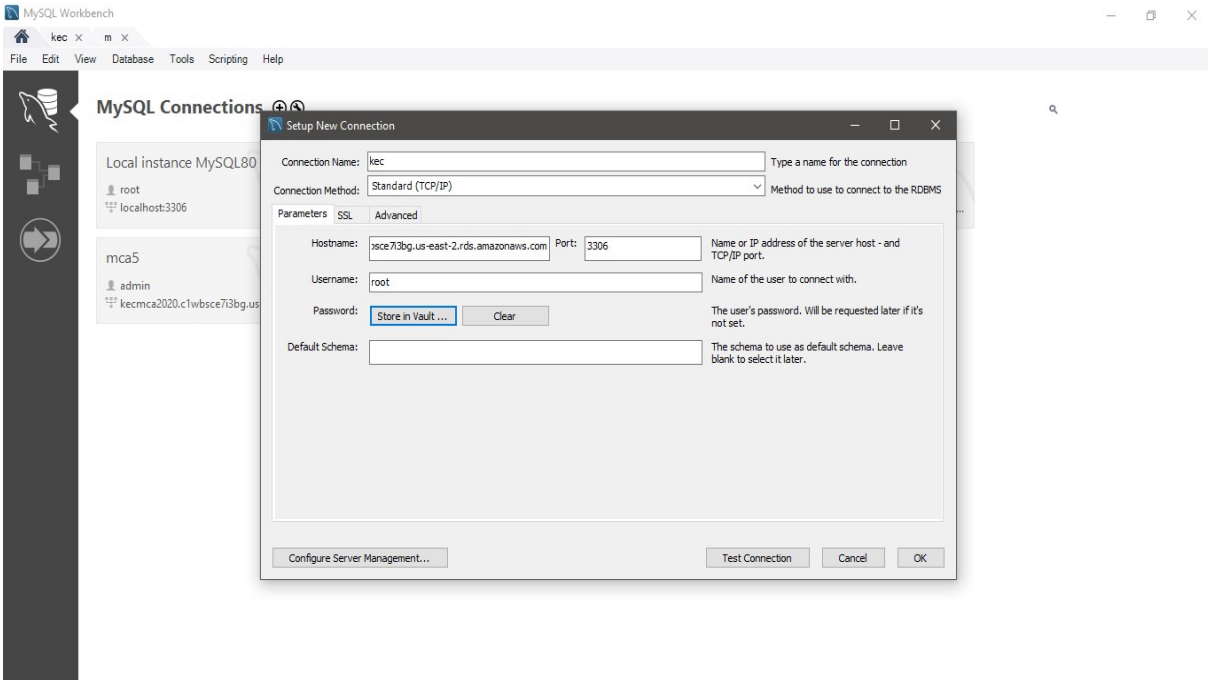
STEP 15: From the setup new connections dialog box, give connection name from the host name paste the endpoint string which is copied from DB instances.

STEP 16: From password select the store in vault.

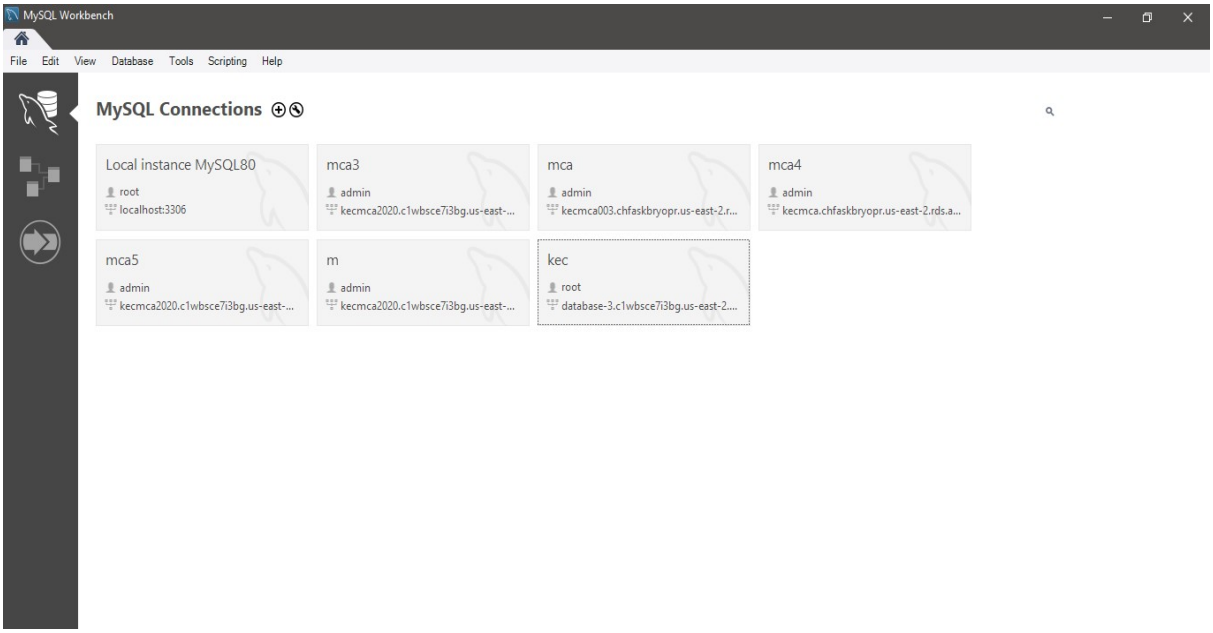


STEP 17: Click the store in vault. Give password which is already given in RD Instances. Then click OK.

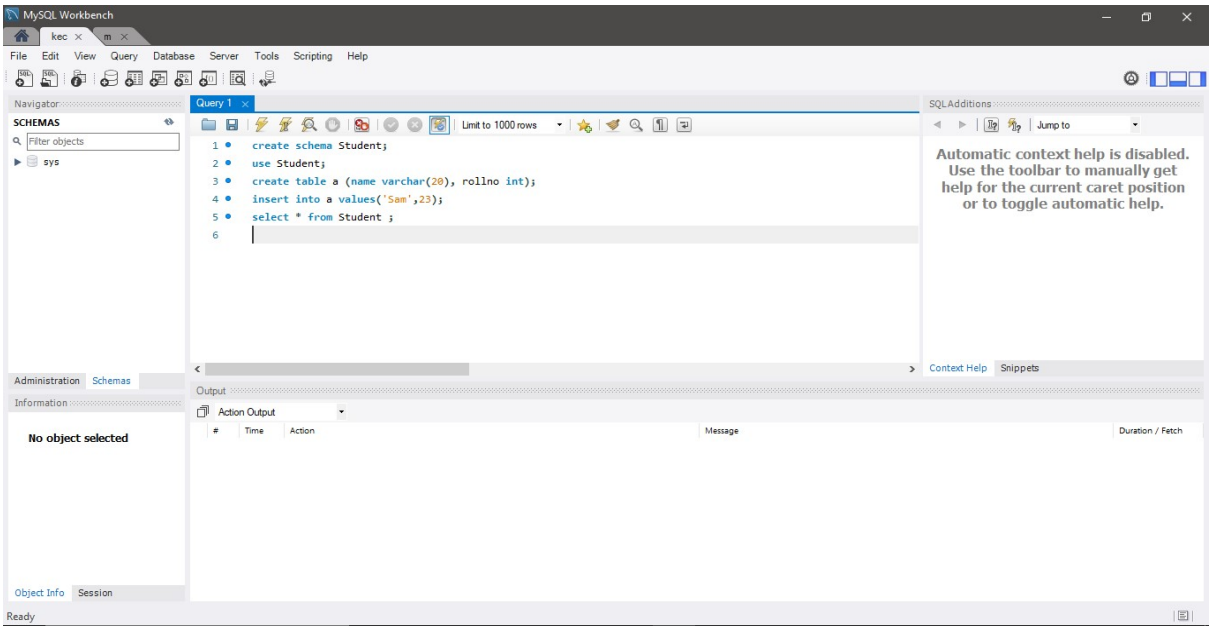
STEP 18: Click the test connection button the click the connections



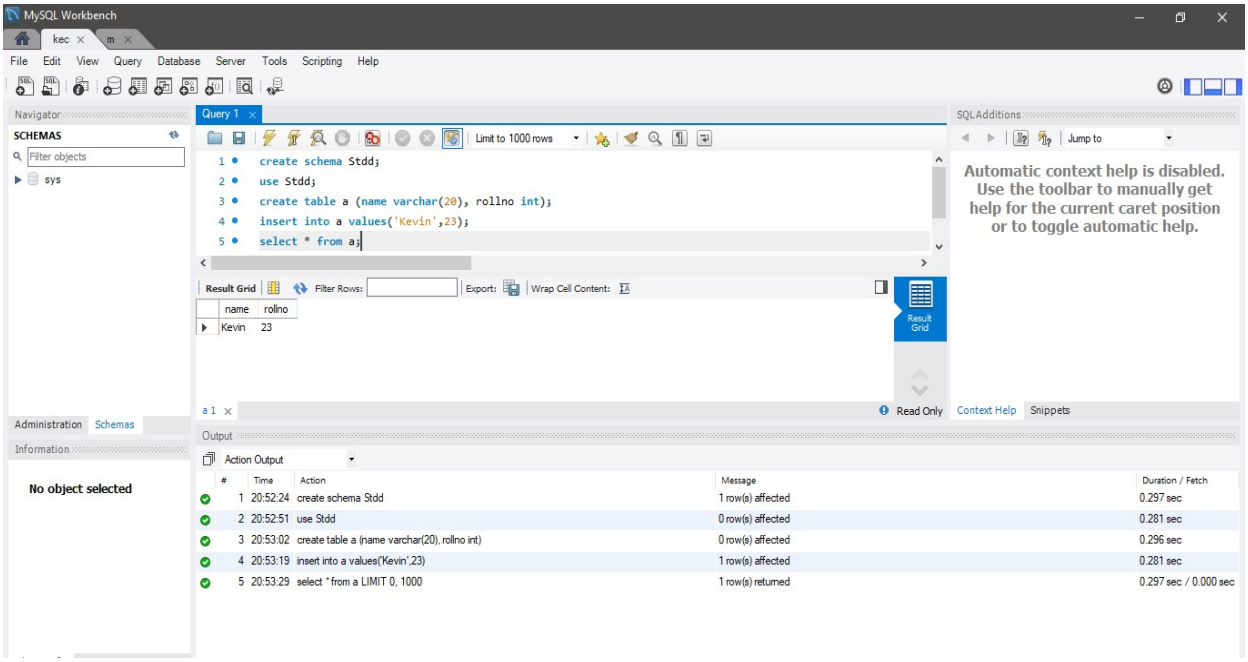
STEP 19: From MYSQL Connection click RD instance.



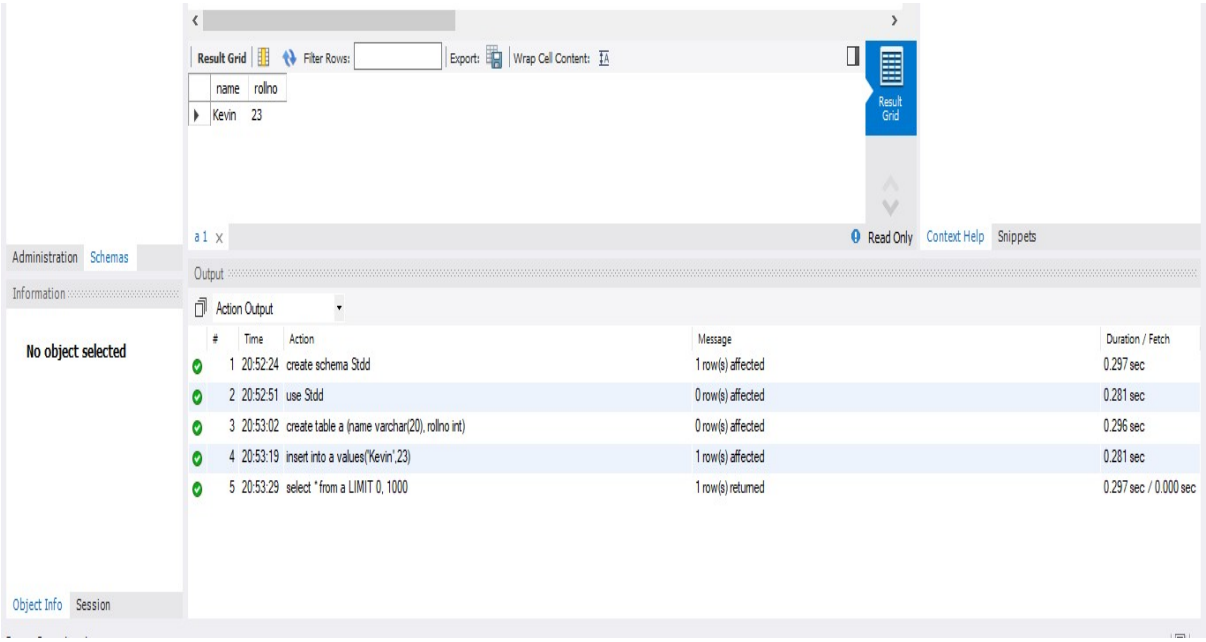
STEP 20: Type query for creation of schema use schema and create the table insert the valuesinto table.



STEP 21: Execute the statement.



STEP 22: These values to be stored in RD instance.



RESULT:

Working with Amazon Web Service RDS instance has been created and query has been executed successfully.

EXPERIMENT: 09

DATE : 16/11/2021

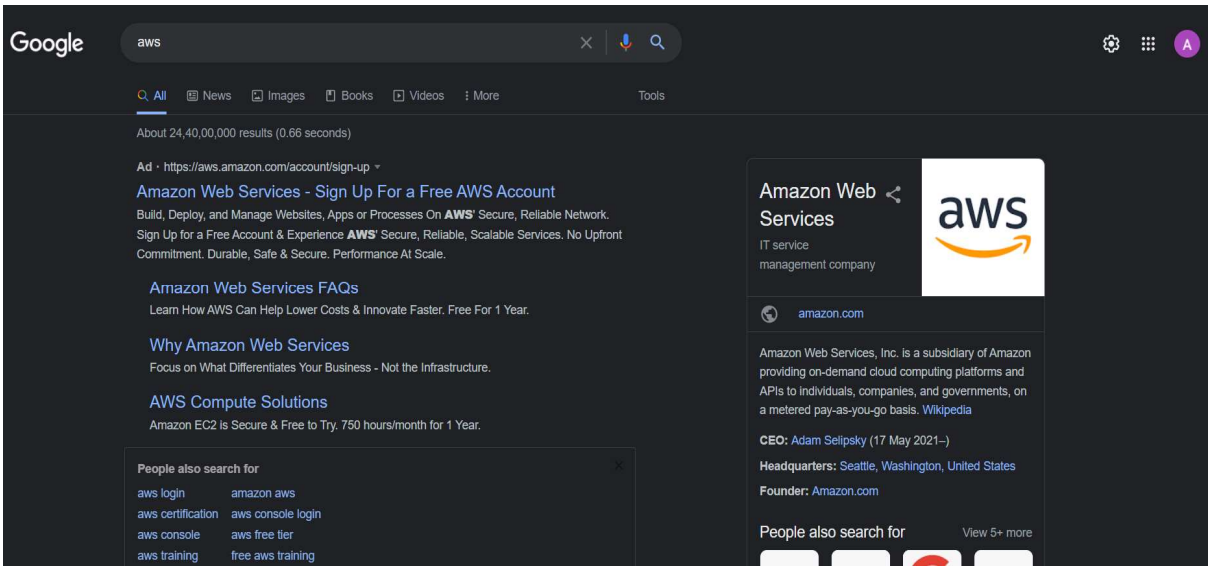
WORKING WITH AWS INSTANCE

AIM:

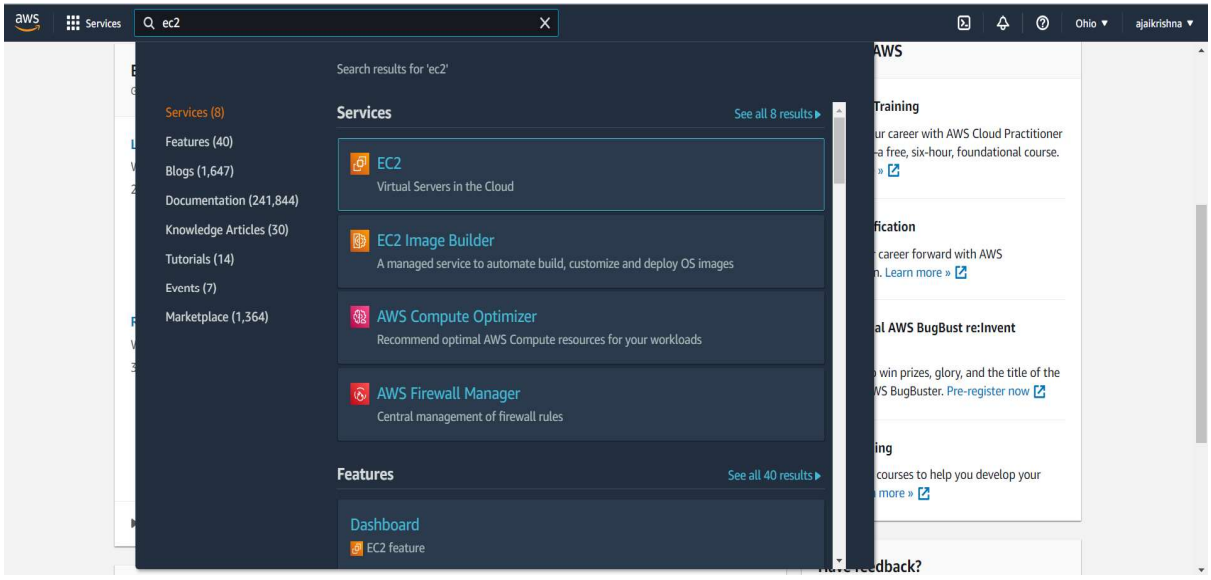
To install a c compiles in the virtual machine and execute a sample program.

STEPS:

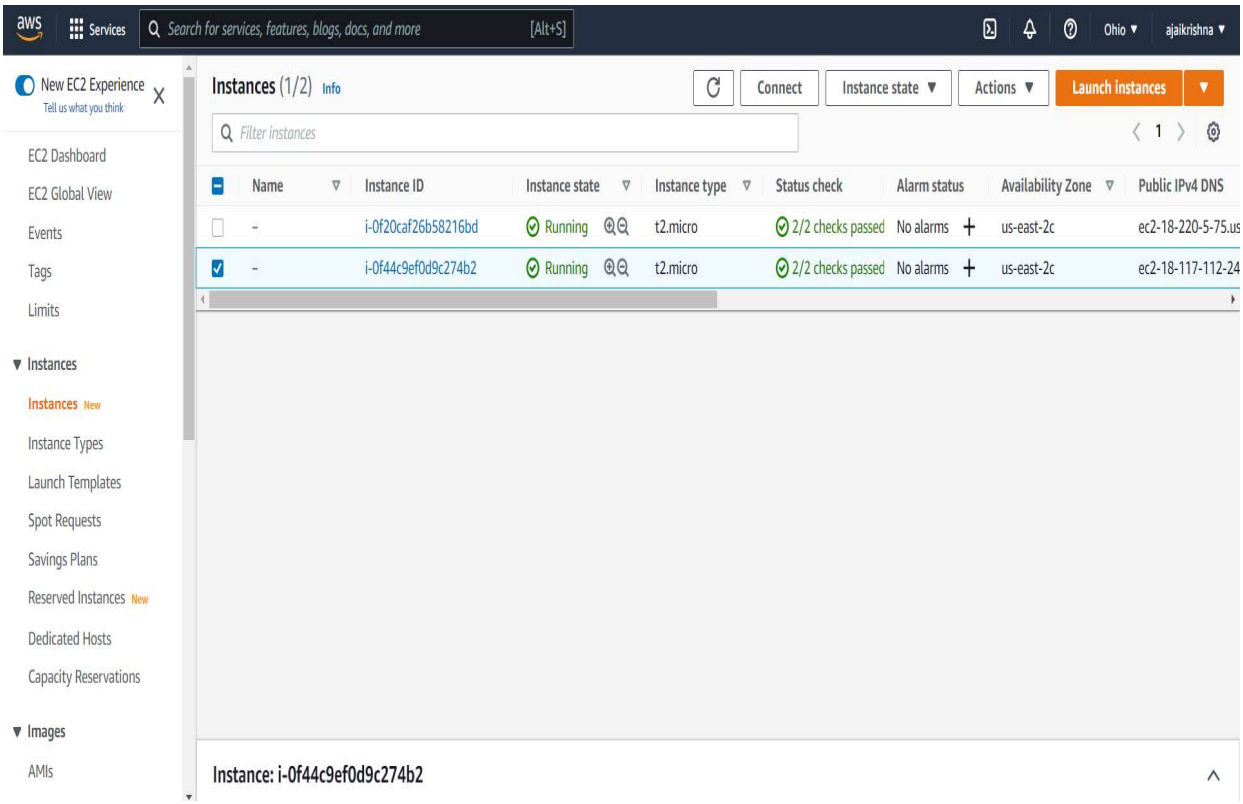
STEP 01: Open the browser and search AWS.



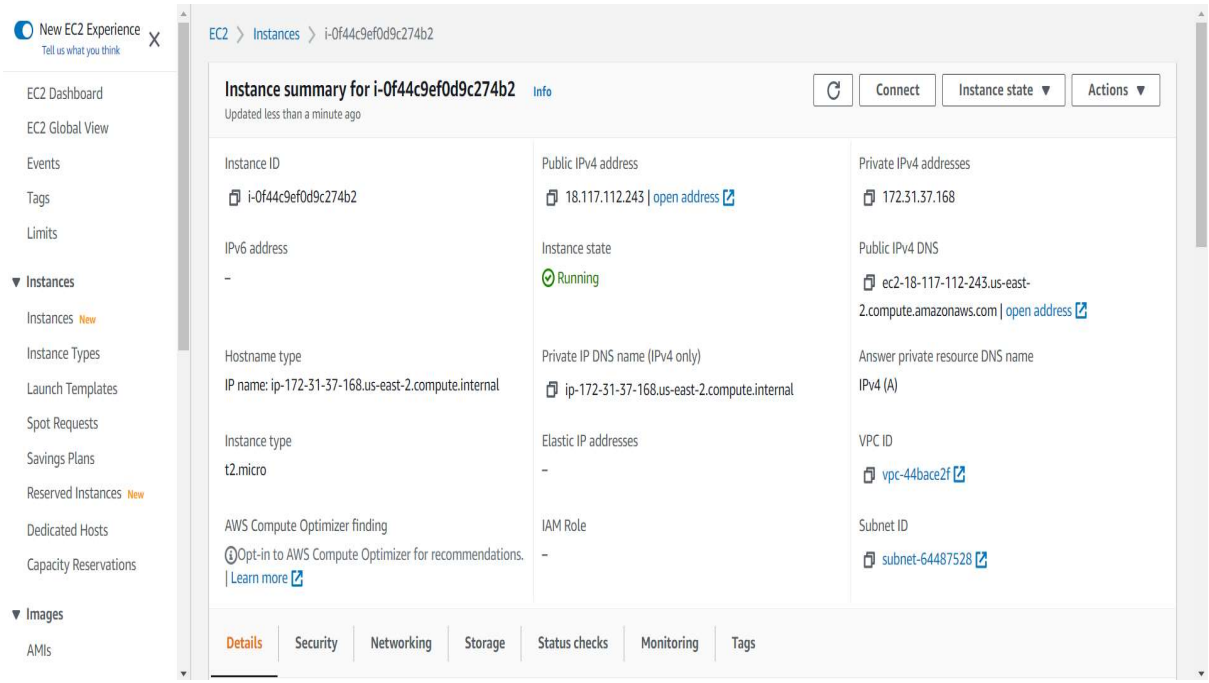
STEP 02: From the search windows, type EC2.



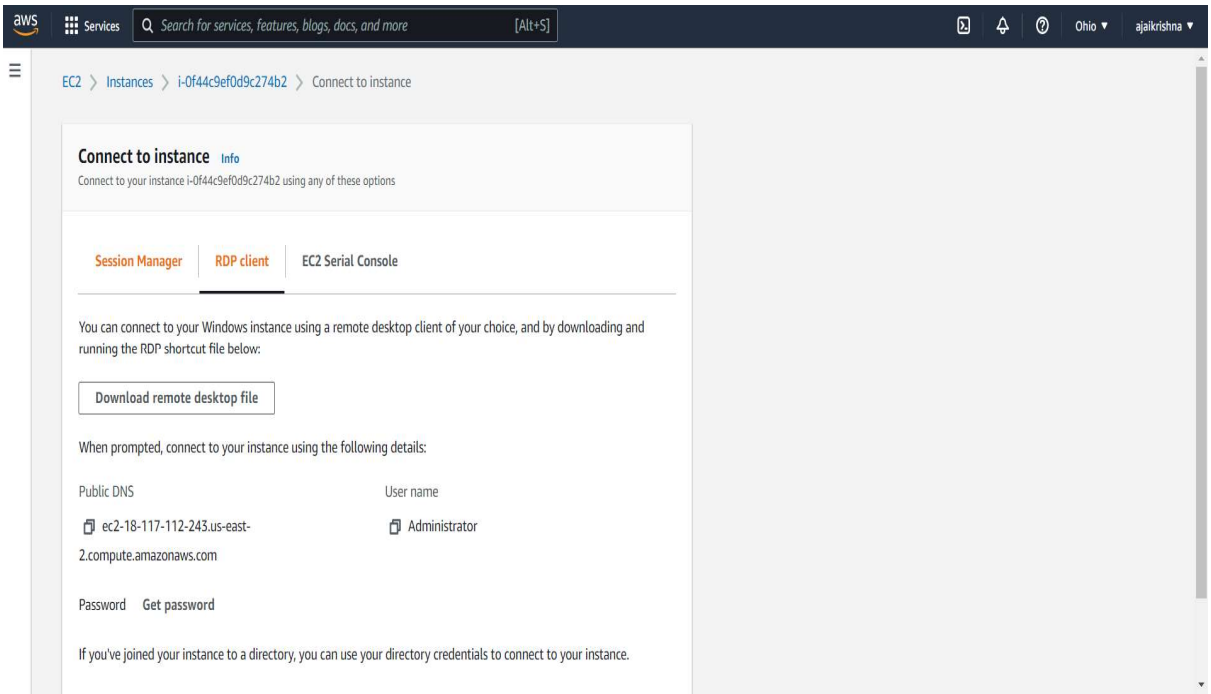
STEP 03: Select the windows Instances, Click the Instance state Instance.



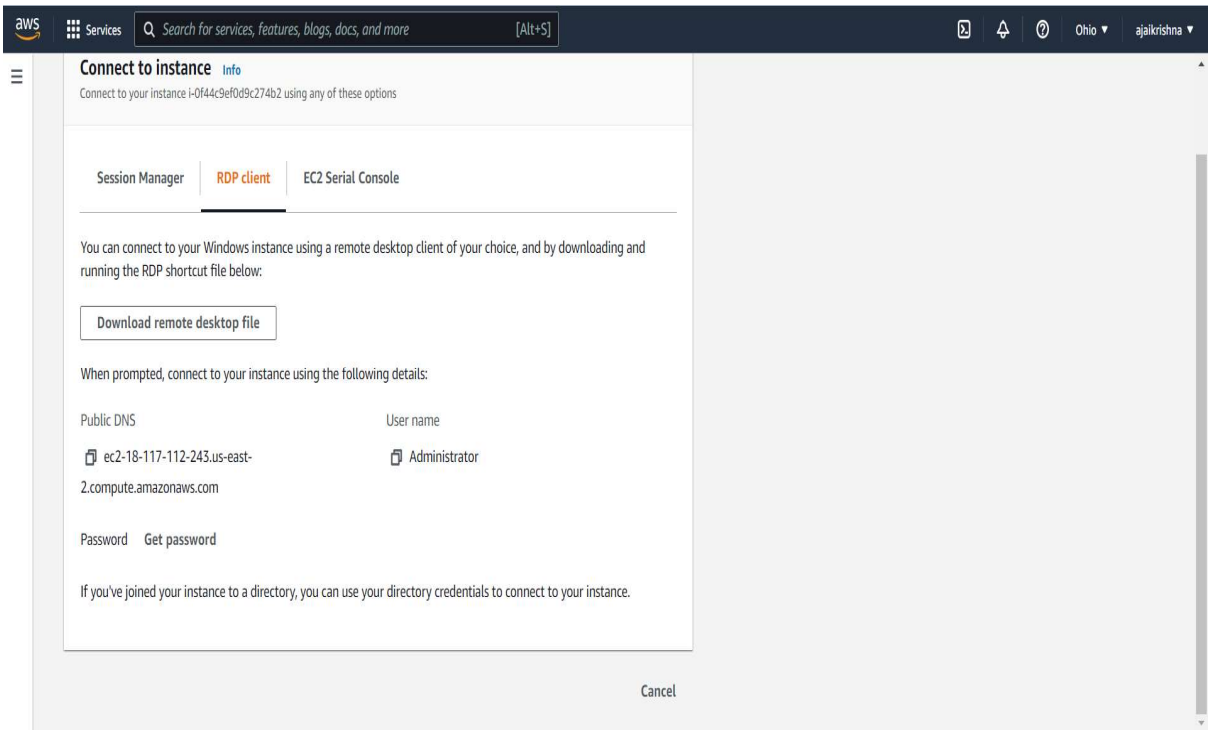
STEP 04: After instance running click connect button.



STEP 05: Then, the page will be moved to RDP client

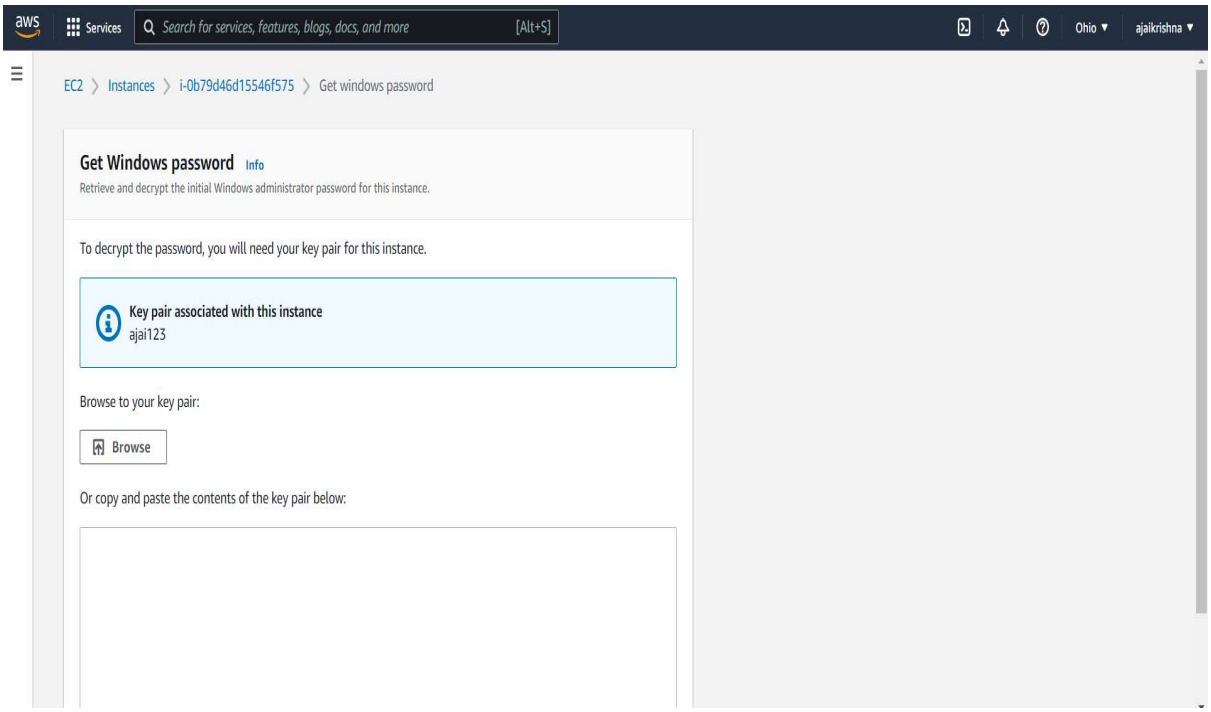


STEP 06: Click the download remote desktop file

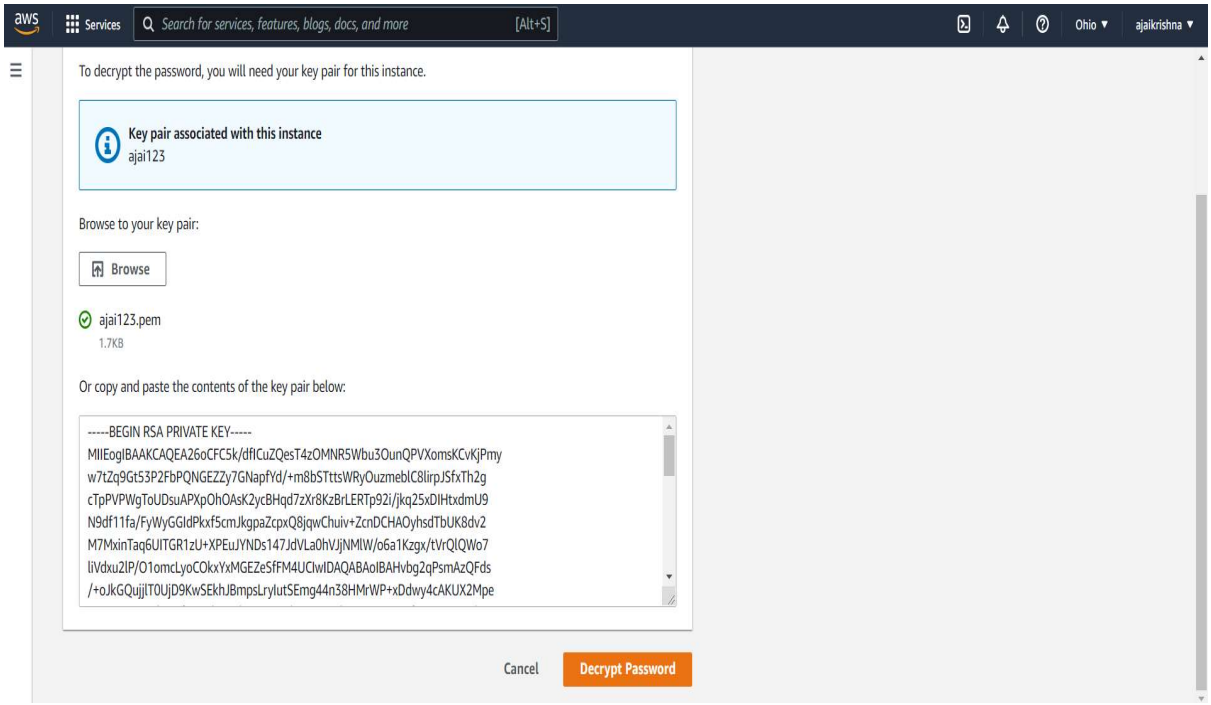


STEP 07: File download in the computer as PEM file

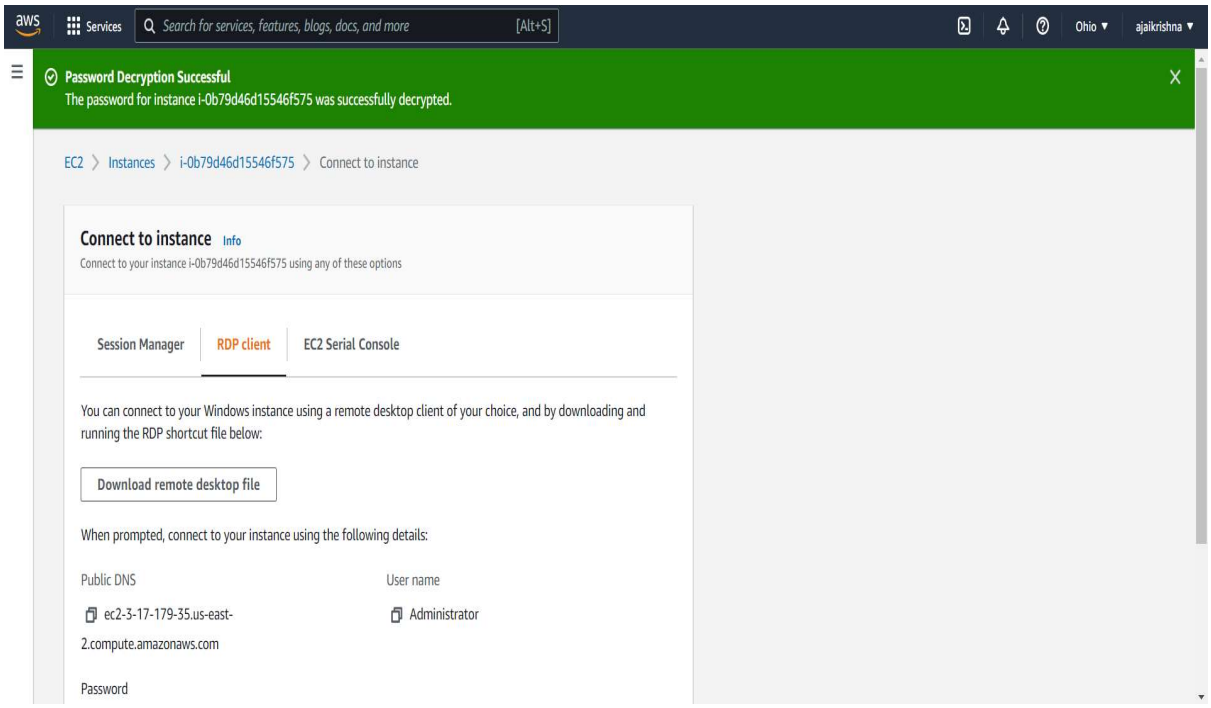
STEP 08: Click the get password, click the browser button



STEP 09: Select the PEM file in the browser button window (Launching Instance Download key pair files)

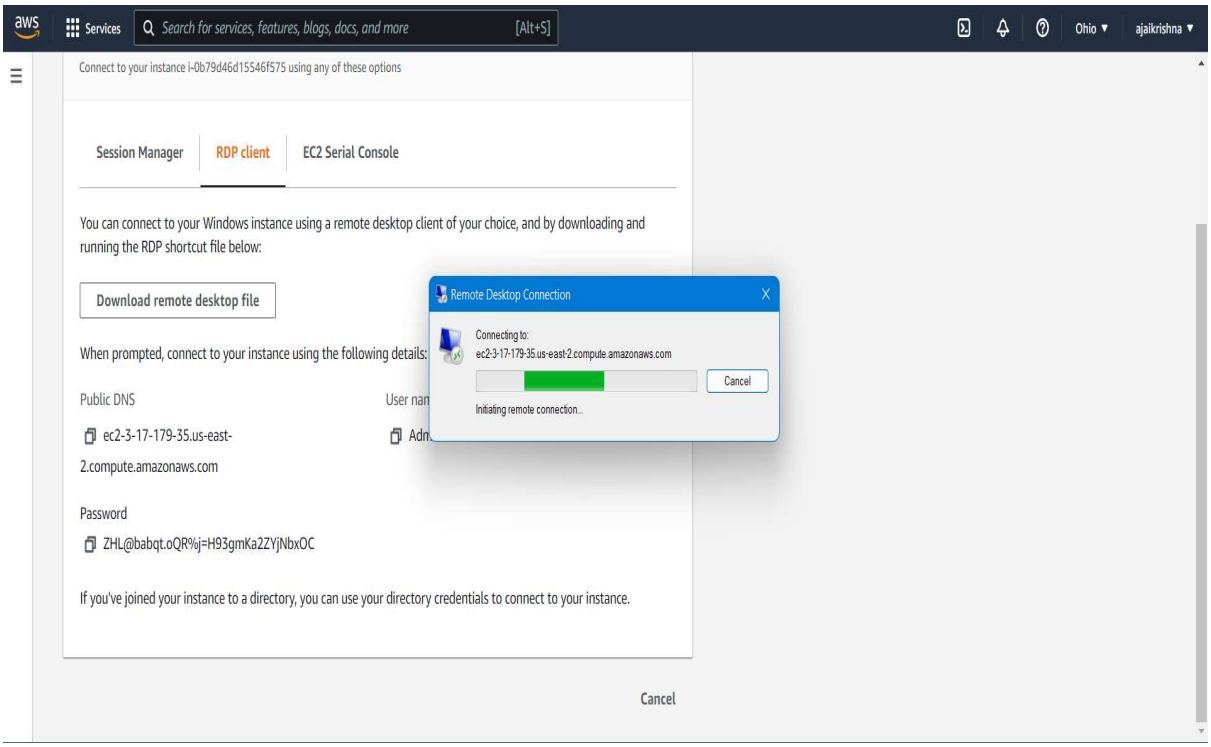


STEP 10: Then, click the decrypt password button

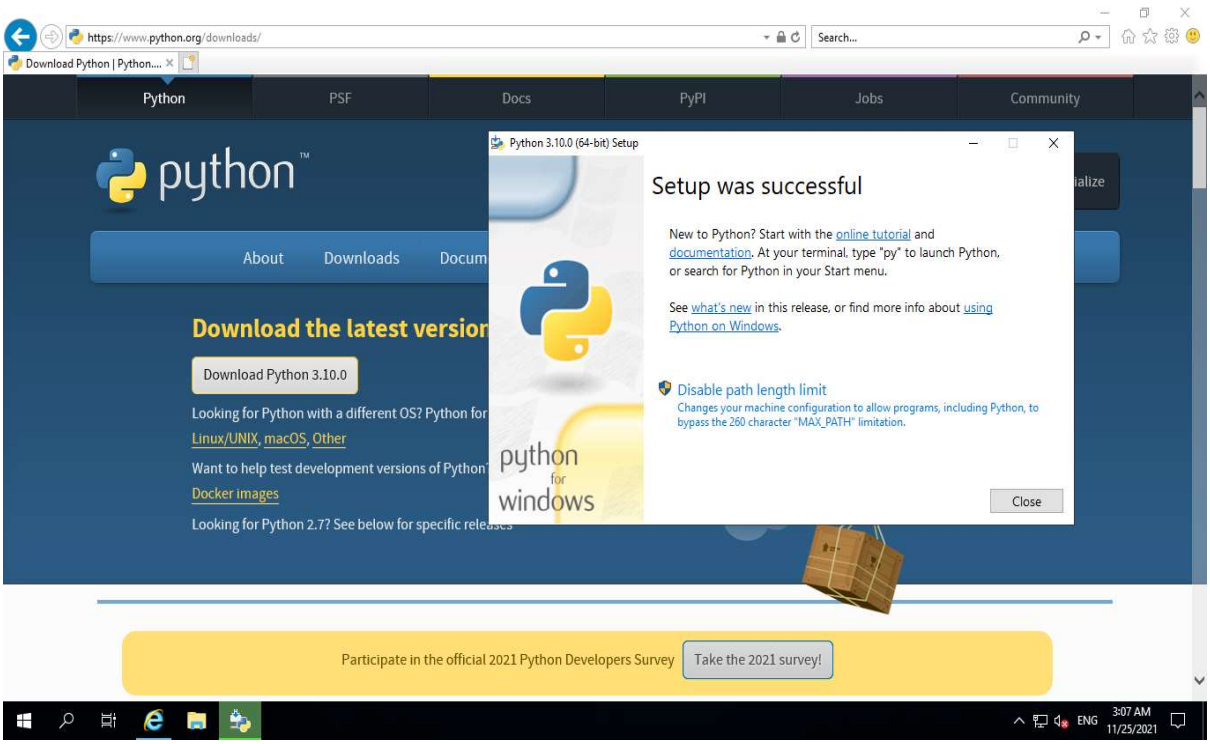


STEP 11: Password shared in word files

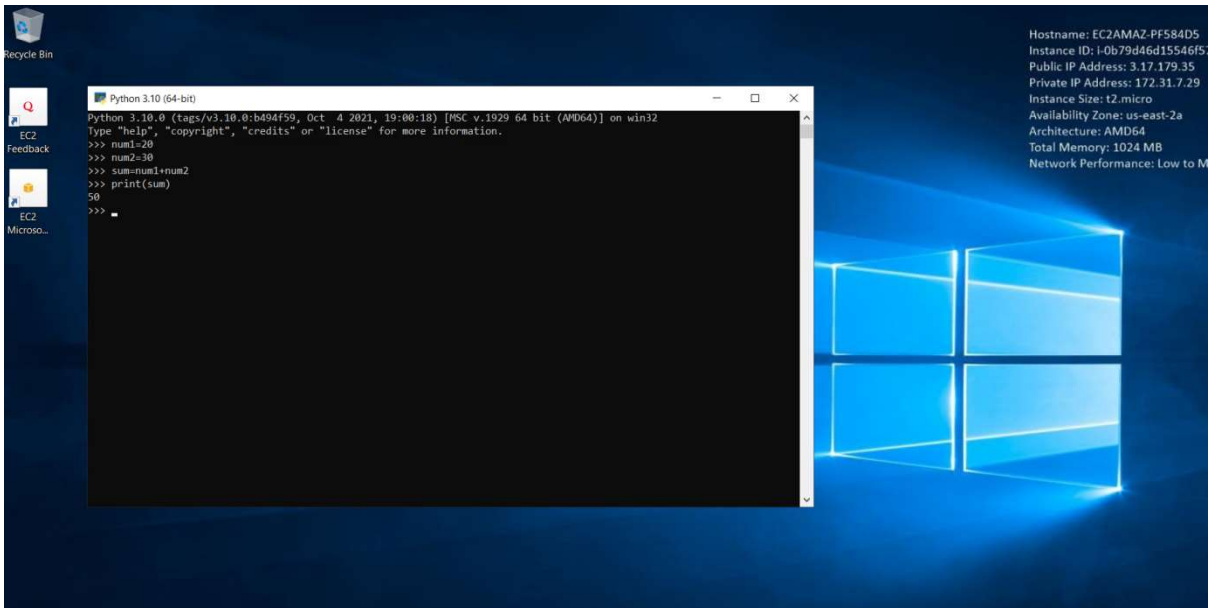
STEP 12: Remote desktop server would be installed in our machine



STEP 13: Install python compiler in the instance



STEP 14: Type c program and execute the program.



RESULT:

Working with Amazon Web Service instance has been created and successfully displayed.

EXPERIMENT NO: 10

DATE : 19/11/2021

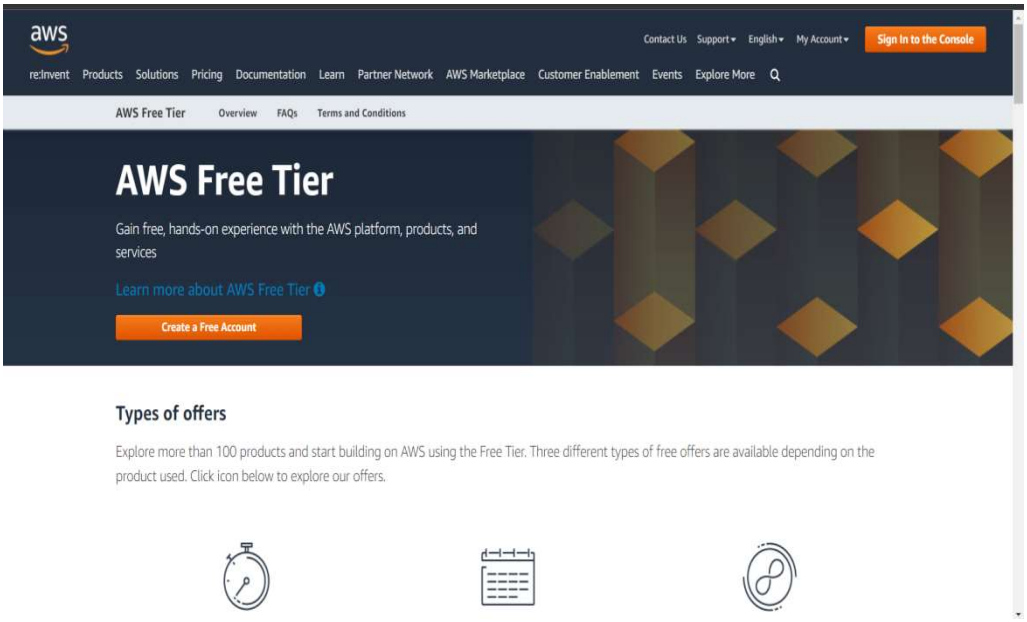
WORKING WITH AWS S3 BUCKET

AIM:

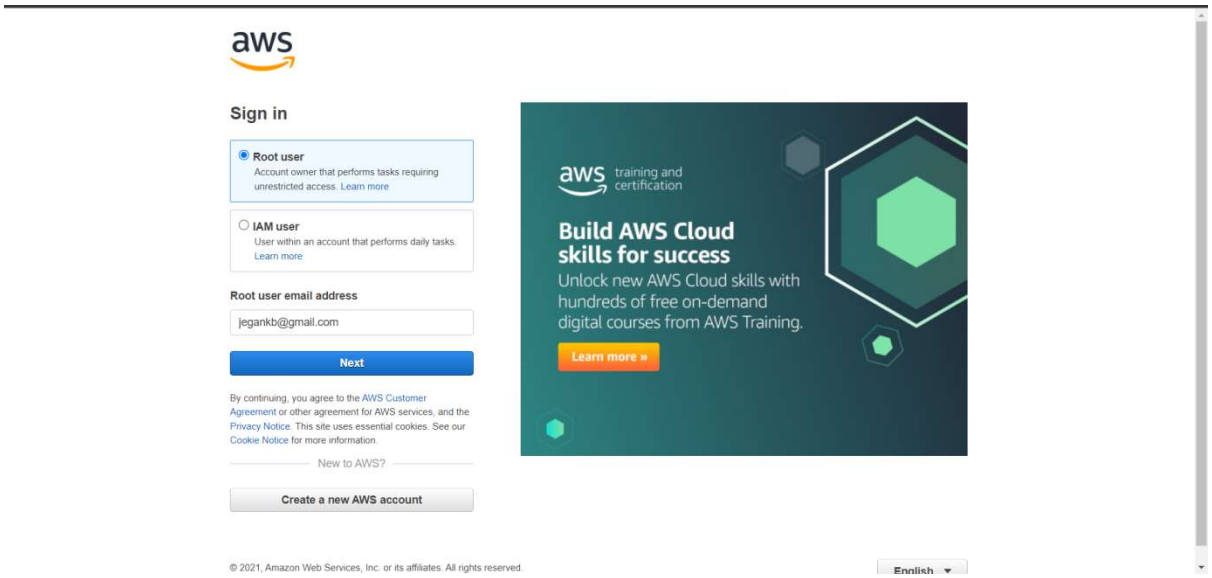
To Create a S3 Bucket in AWS for Storing files

STEPS :

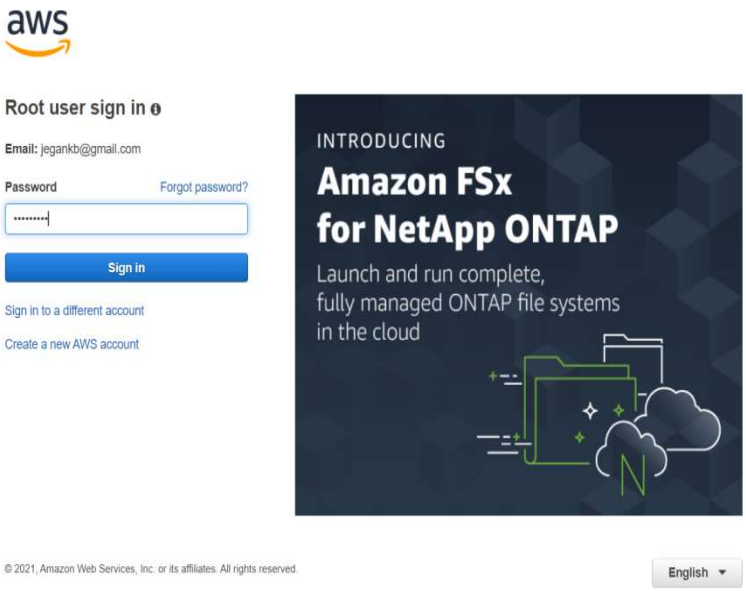
STEP 01: Open aws.console.com in the browser



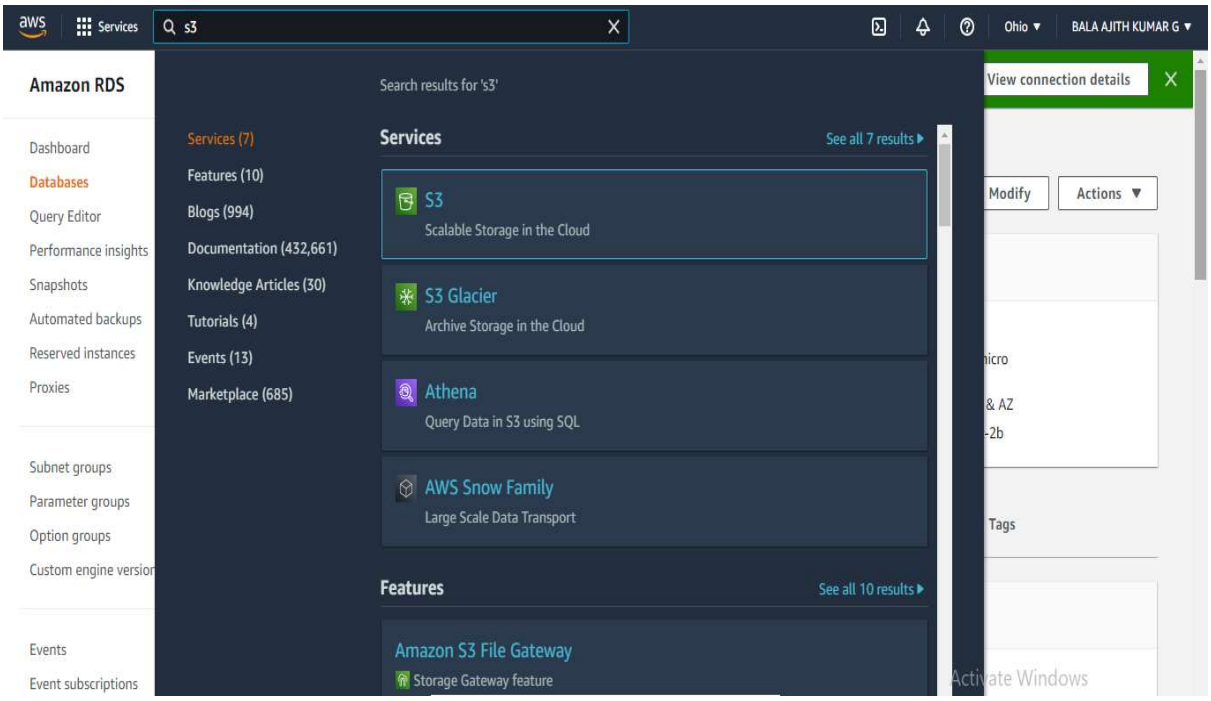
STEP 02: Sign in as Root user and enter email address and click next and Submit



STEP 03: Enter Password and Click Sign in



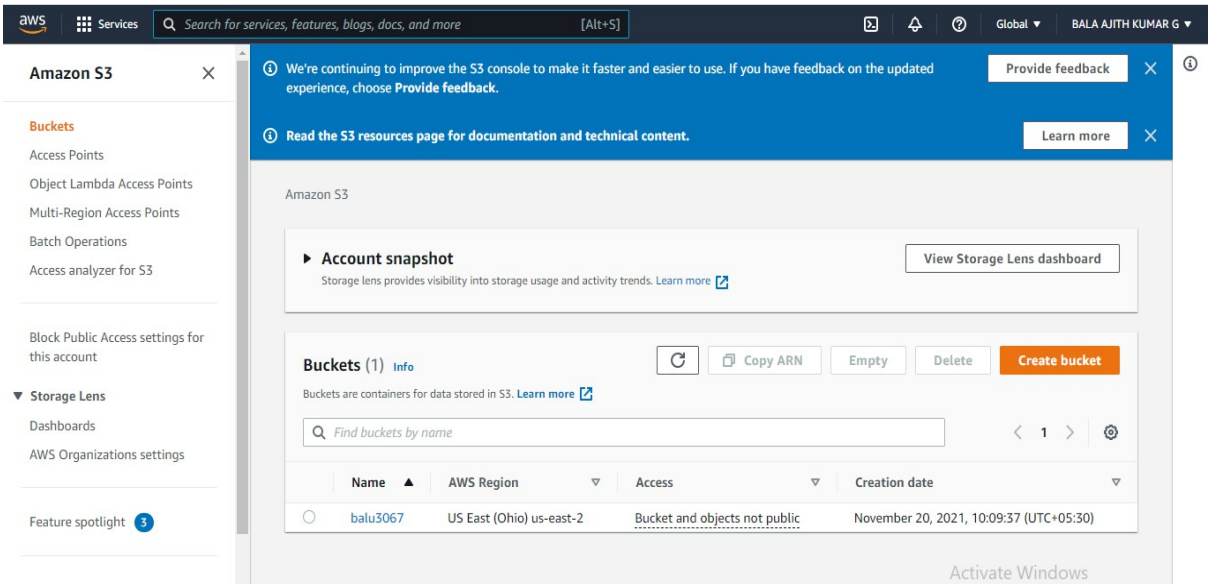
STEP 04: Go to Search title bar and type S3 and press enter key



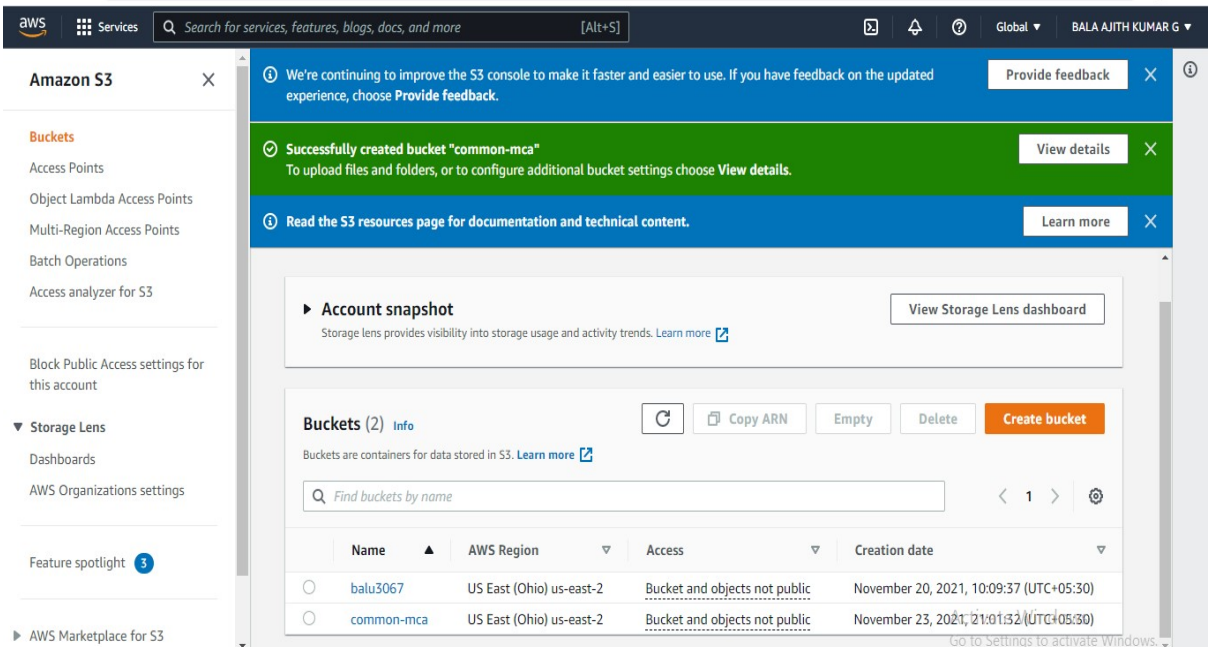
STEP 05: From the services window click create button.

STEP 06: Use default Option for remaining.

STEP 07: Click Create button from bottom.

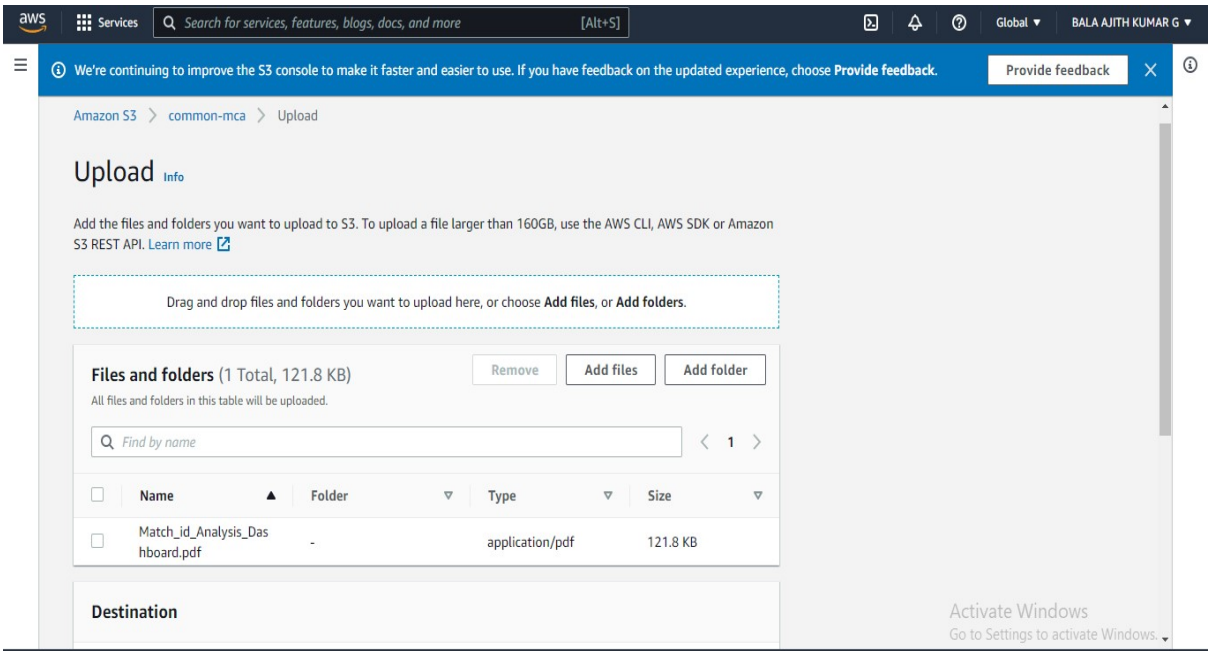


STEP 08: Bucket is Successfully Created.



STEP 09: Click the bucket you have created

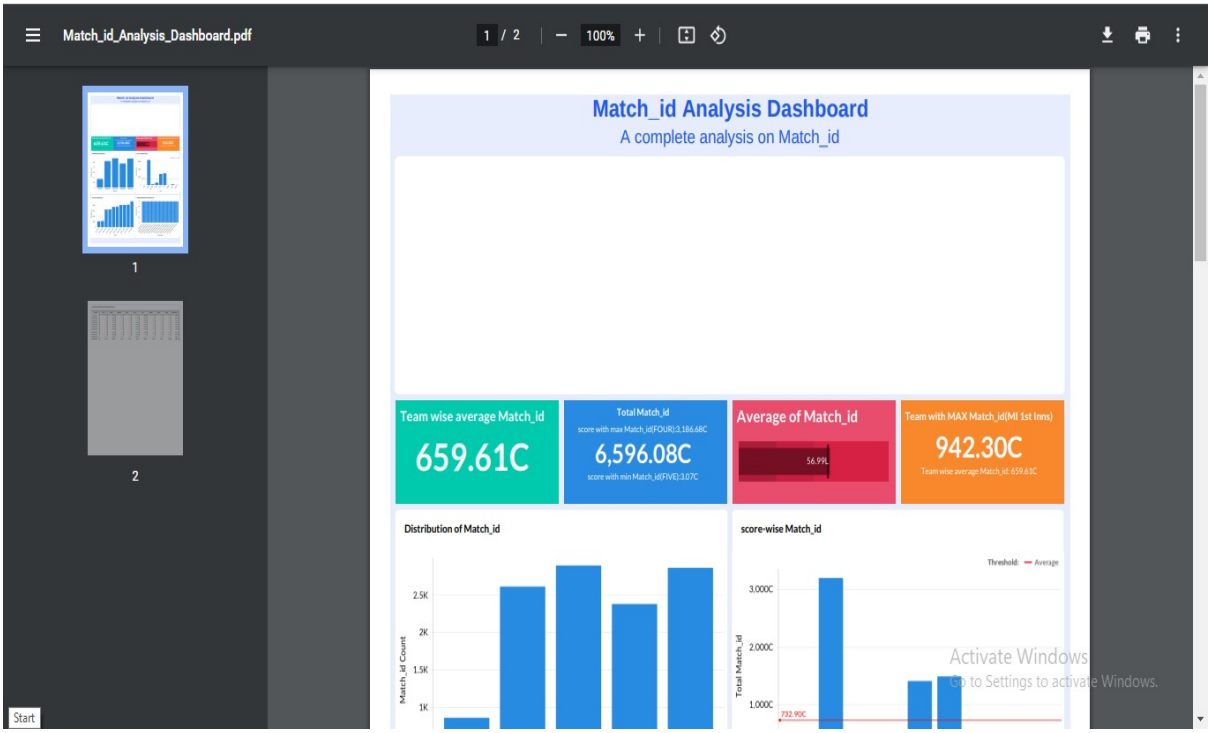
STEP 10: From the object window, click the upload button



STEP 11: From upload window, click Add files button

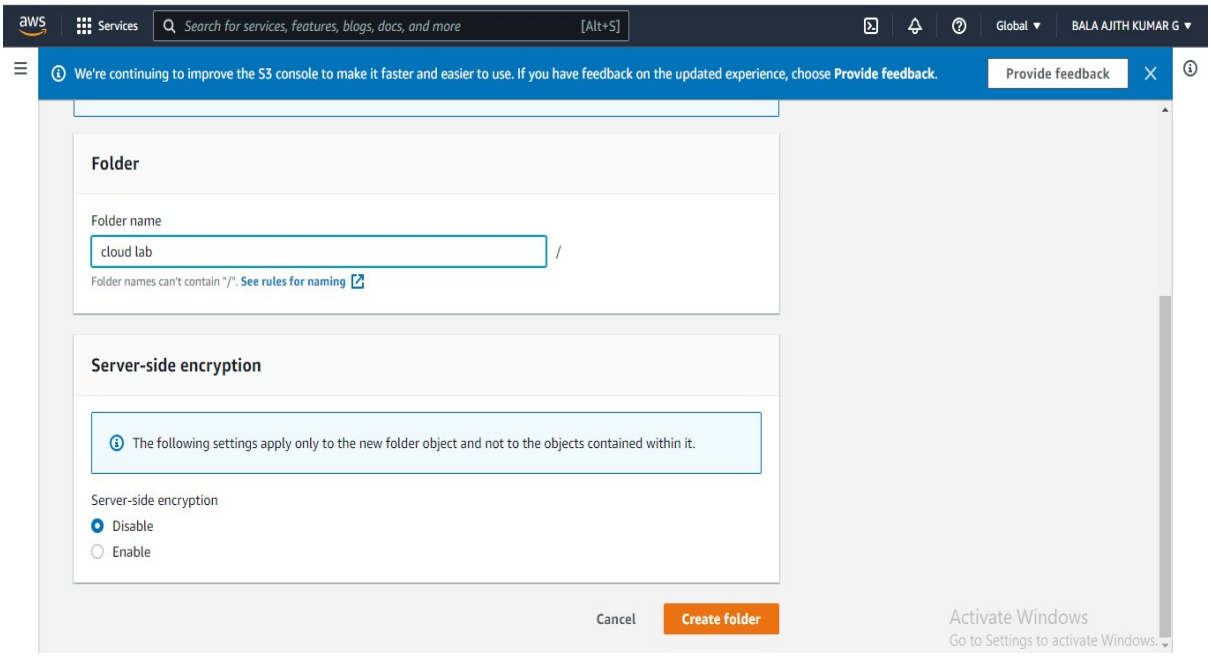
STEP12: Select the file to be uploaded in S3 bucket, click upload and our file start uploading.

STEP13: click the open button or download button on top.



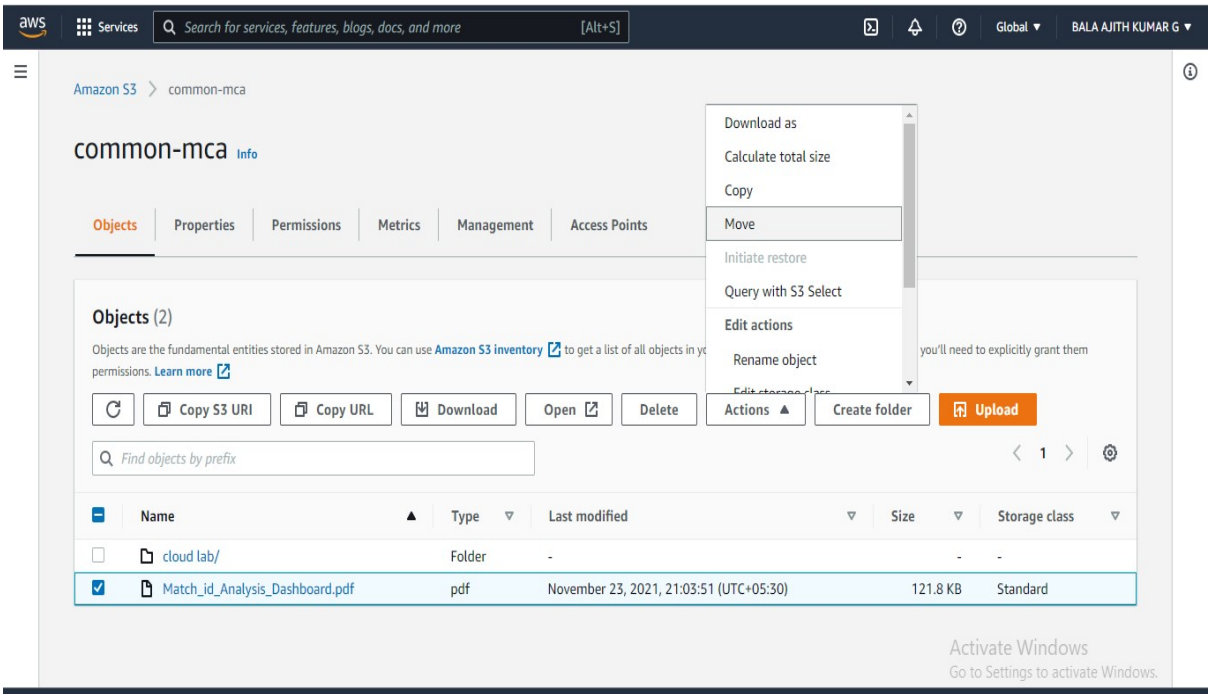
STEP 14: Inside the bucket (we created) object from the object window,click create folder button.

STEP 15: Give foldername for the folders created.

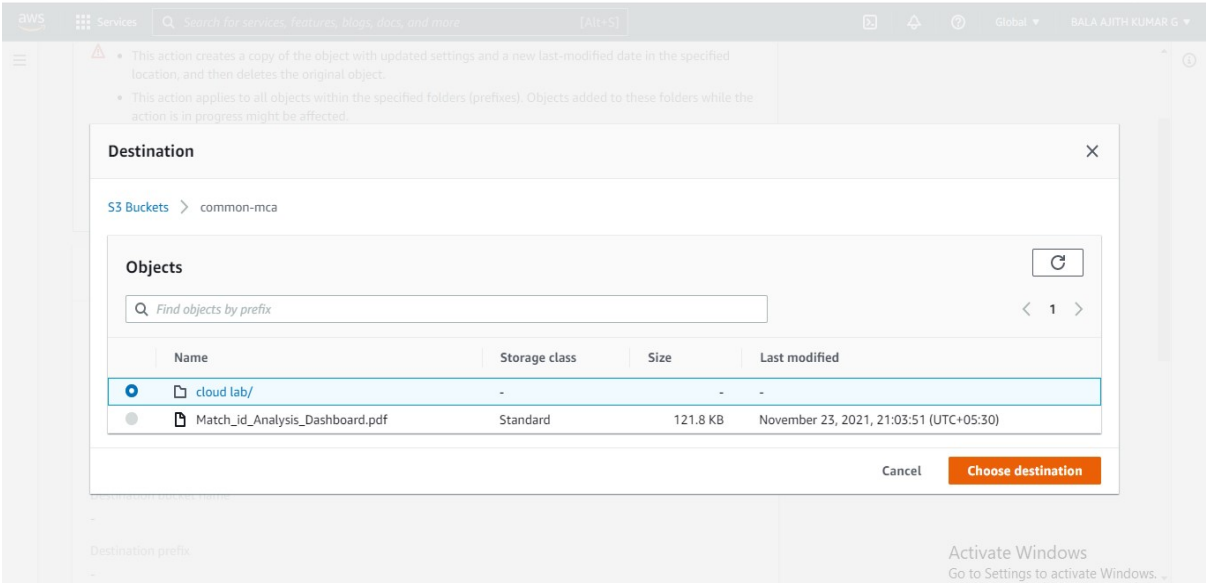


STEP 16: Select the file that are needed to move to the created folder.

STEP 17: From the action button, move option select option.

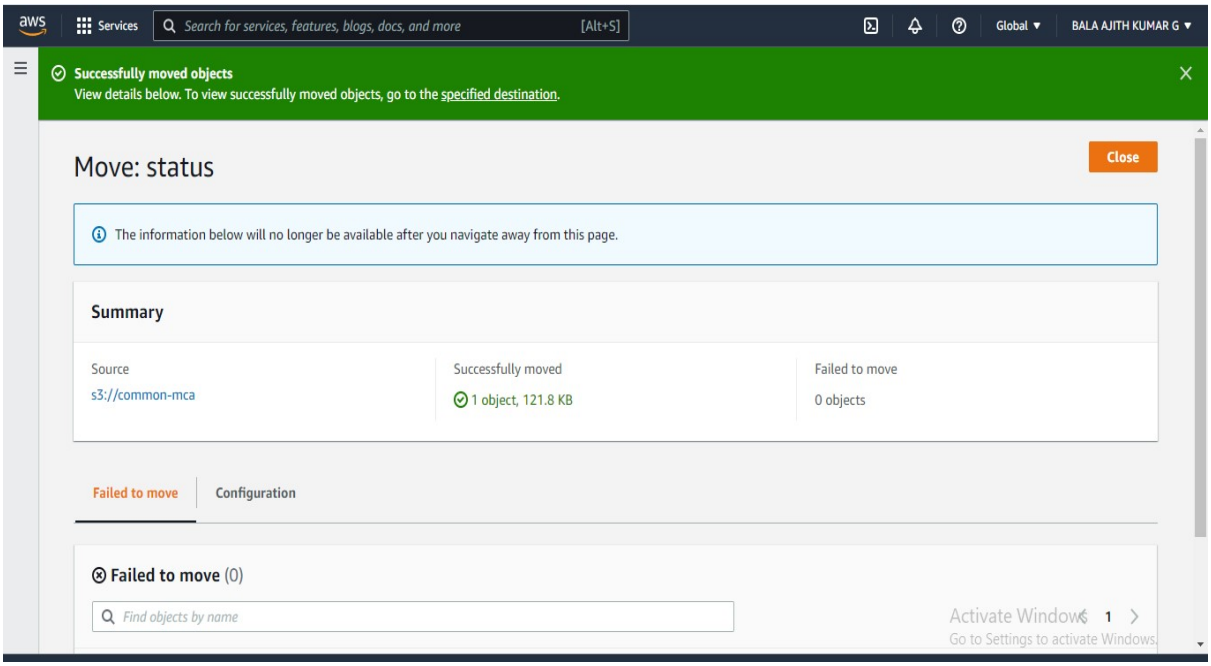


STEP 18: From the move tab under destination click the browse s3 button



STEP19: From object window Select the folder name and click the Choose button.

STEP 20: From the move window, click move button click the close button. Now the file in successfully moved to the created folder.



RESULT:

Working with Amazon Web Service S3 Bucked has been created and the file has been moved successfully.

EXPERIMENT NO: 11

DATE : 20/11/2021

CREATION OF WEBSITE USING DRUPAL

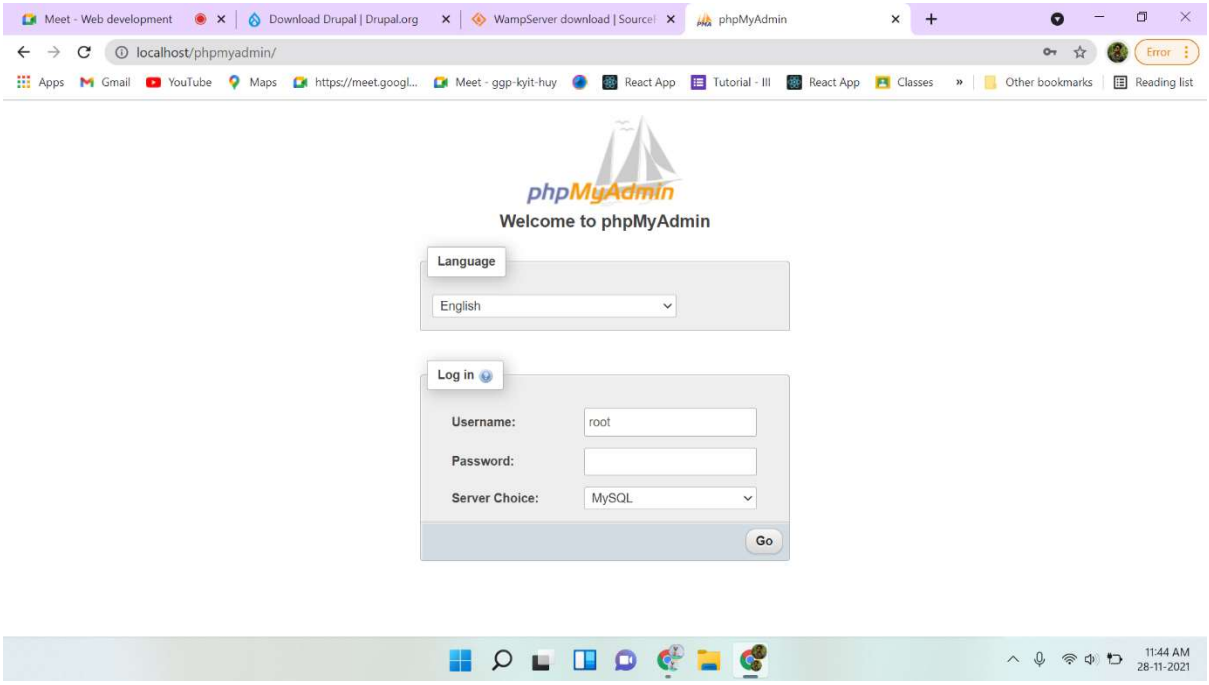
AIM:

To Create popular website using DRUPAL CMS

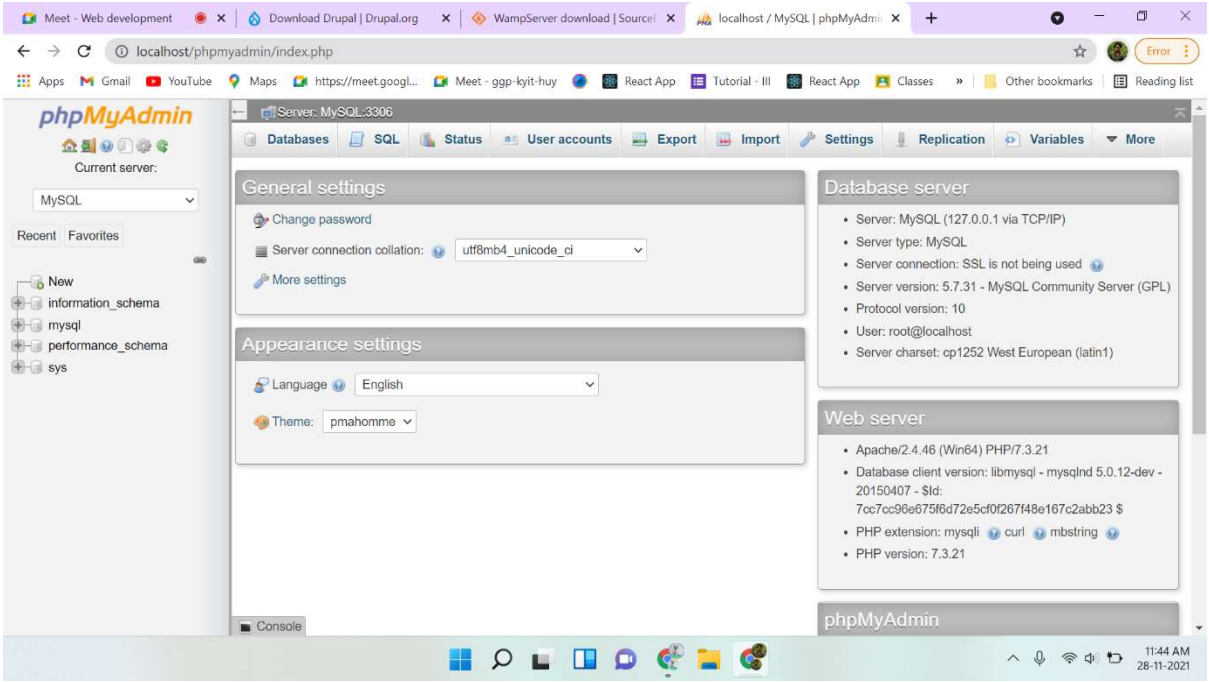
STEPS:

STEP 01: Open the browser window and type local host.

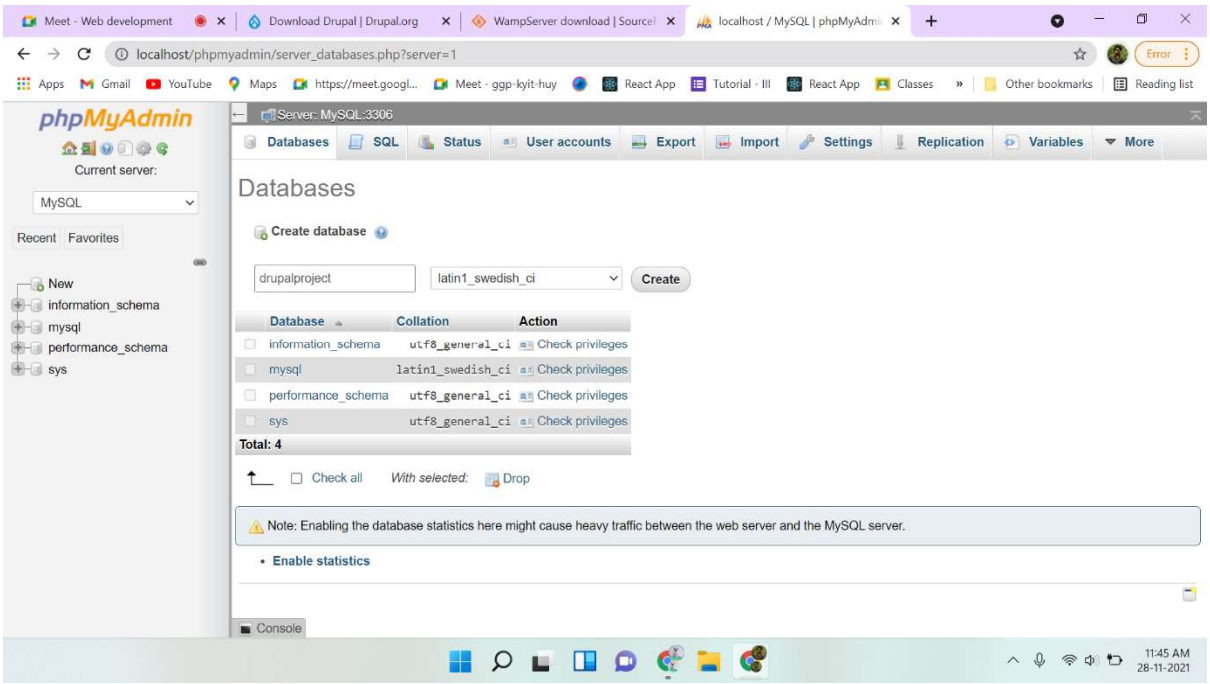
STEP 02: From the tools option, select Phpadmin.



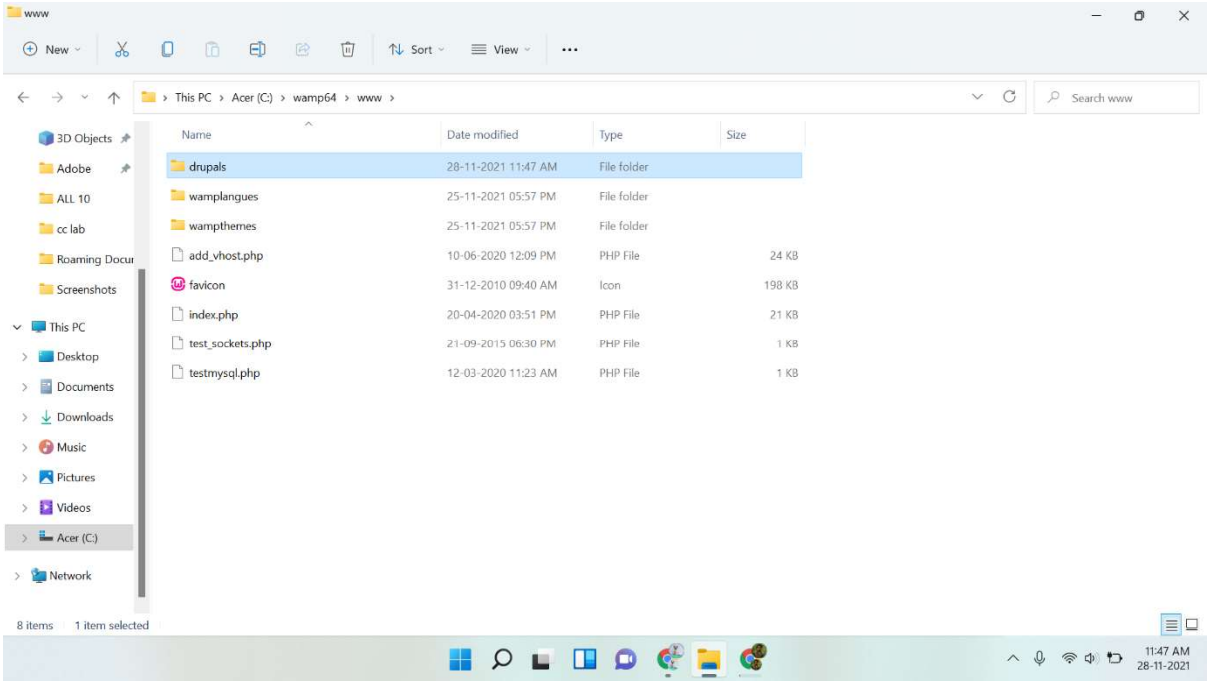
STEP 03: Click new open in left panel to create a new database



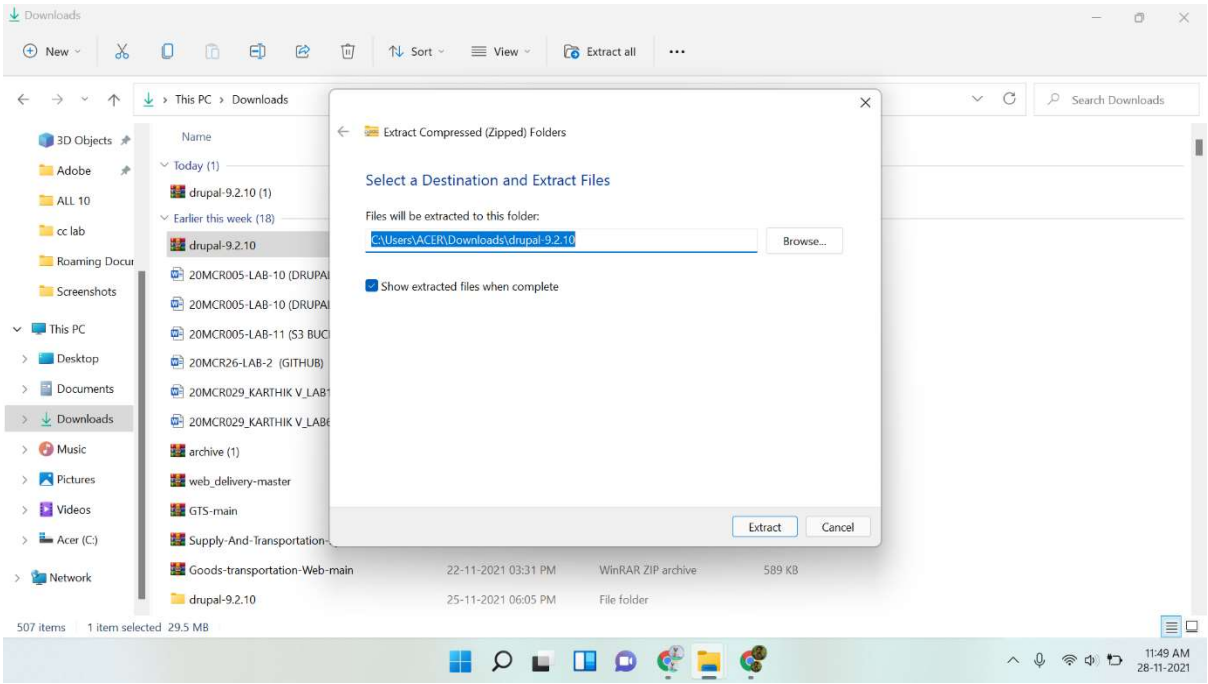
STEP 04: Enter the database name and click create button.



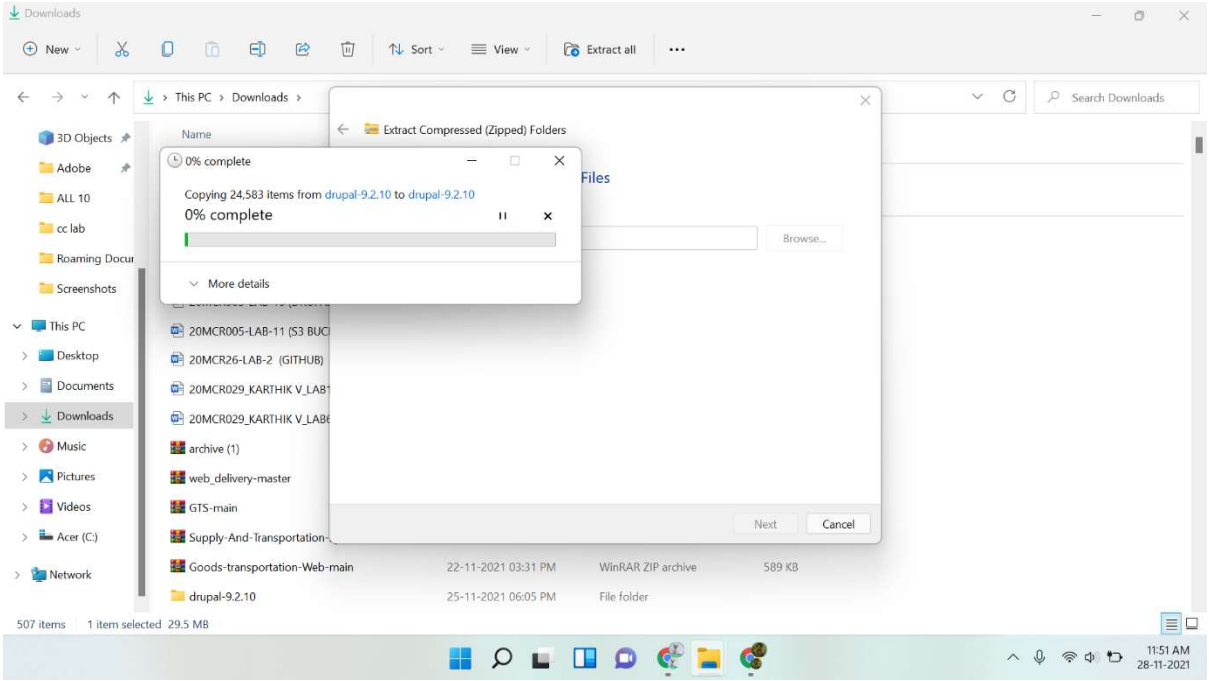
STEP 05: From the file explorer, Go to the wamp server folder.



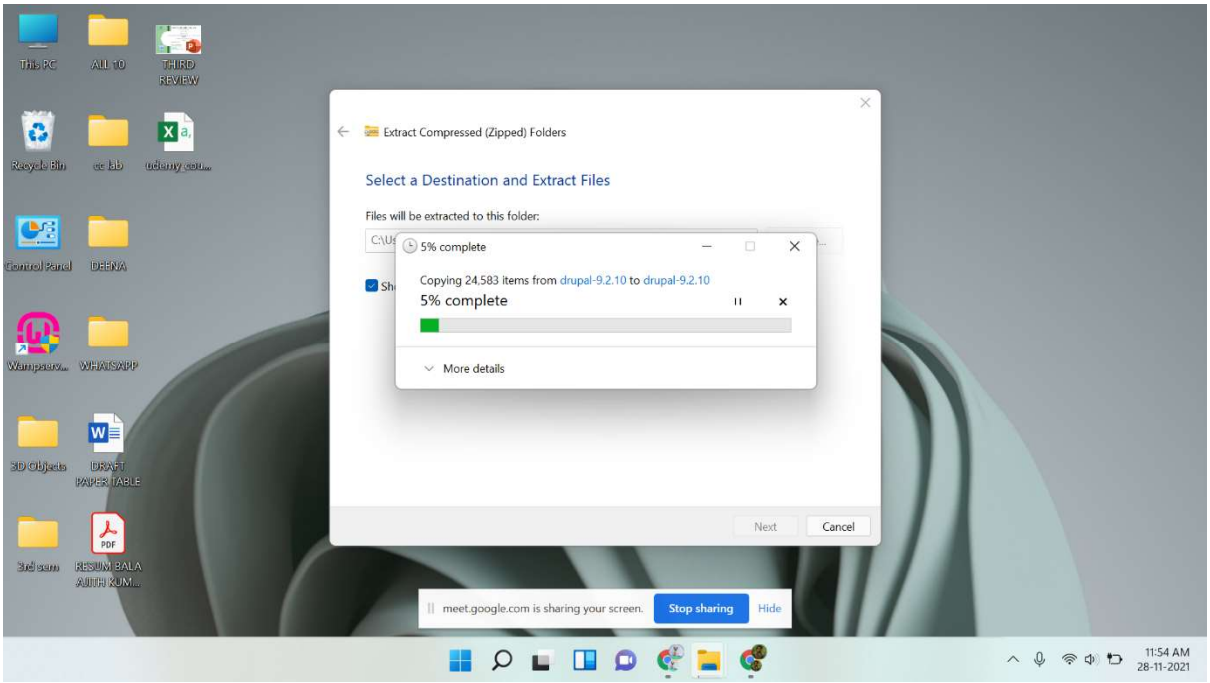
STEP 06: Inside the wamp server folder C:\wamp64/www.create a new project folder.



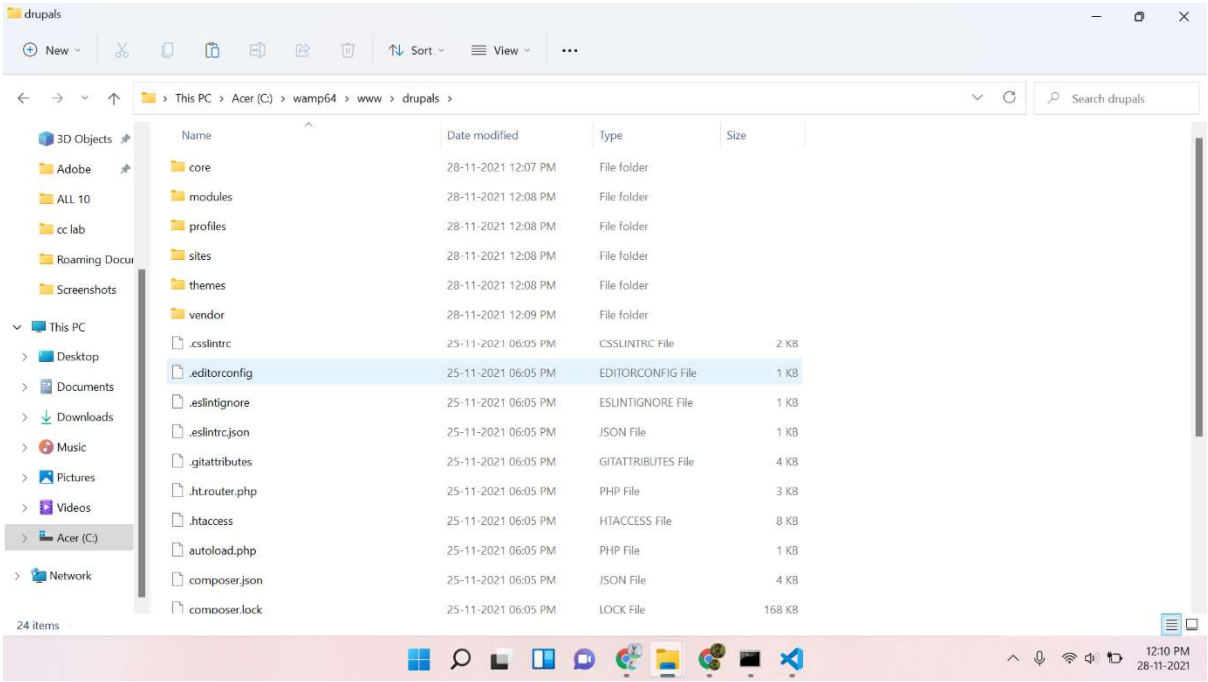
STEP 07: Download the drupal setup files using the link drupal.org/ download.



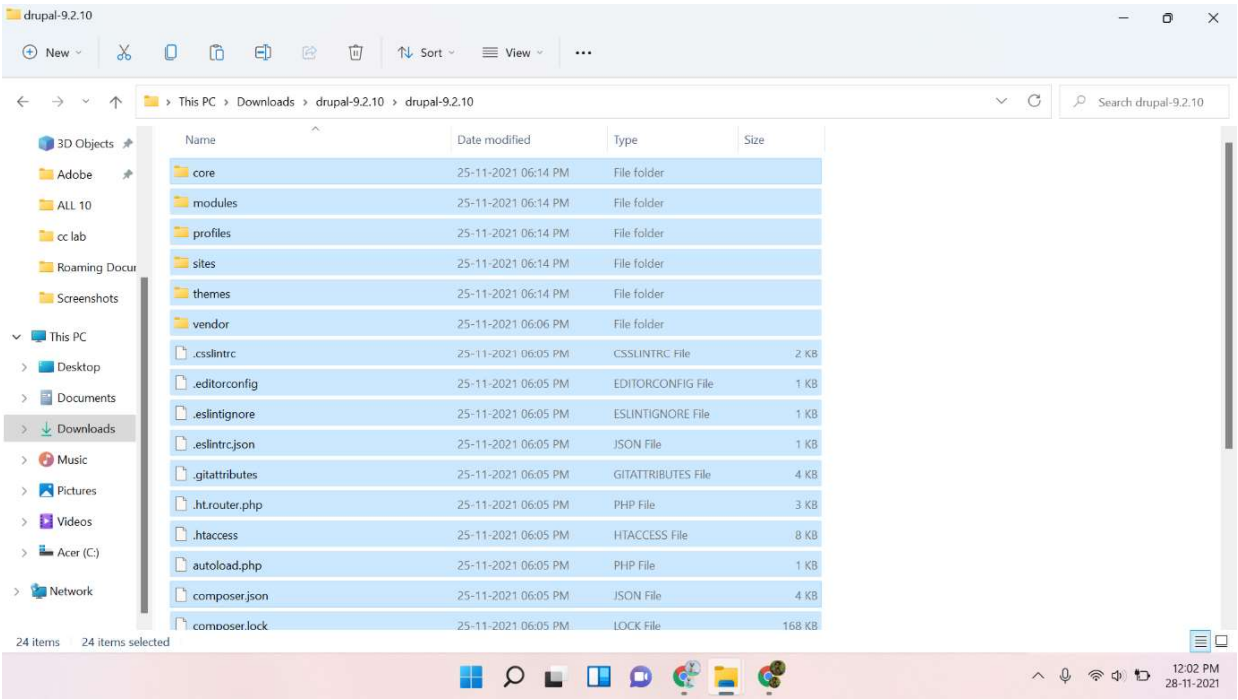
STEP-8: From the URL, click the “Download drupal zip” button



STEP 09: Extract the downloaded zip file folder.



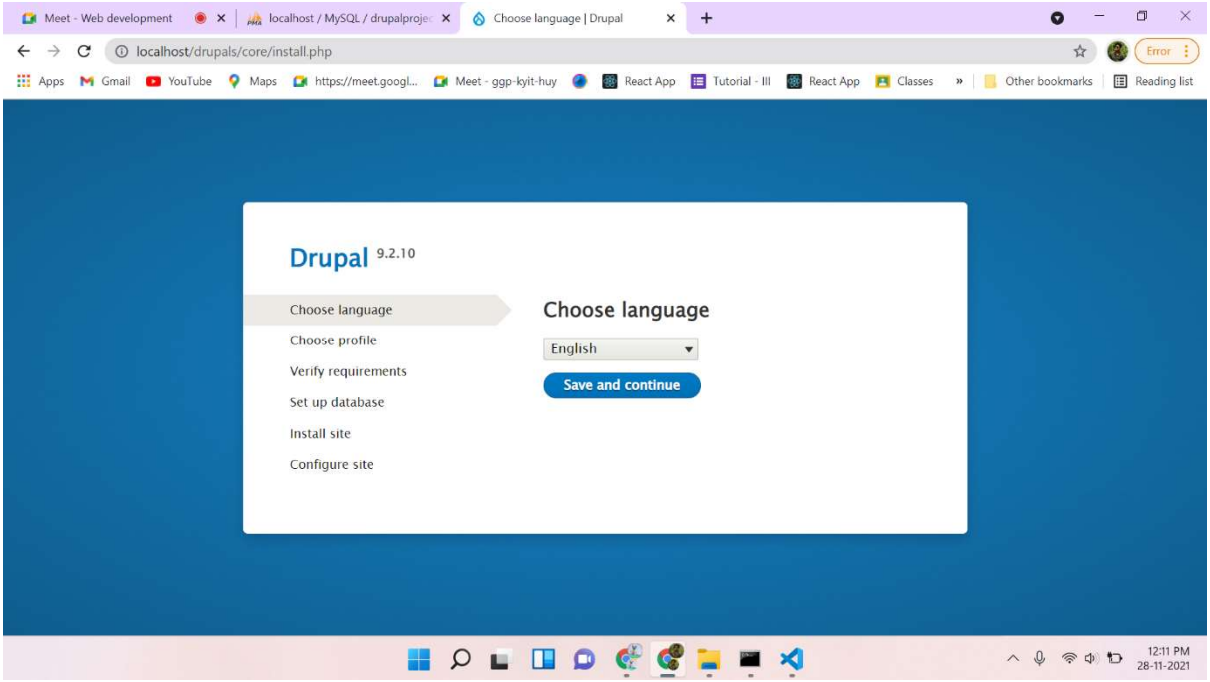
STEP 10: Go to the extracted downloaded zip file folder and select folder. 4 copy all the files inside this folder



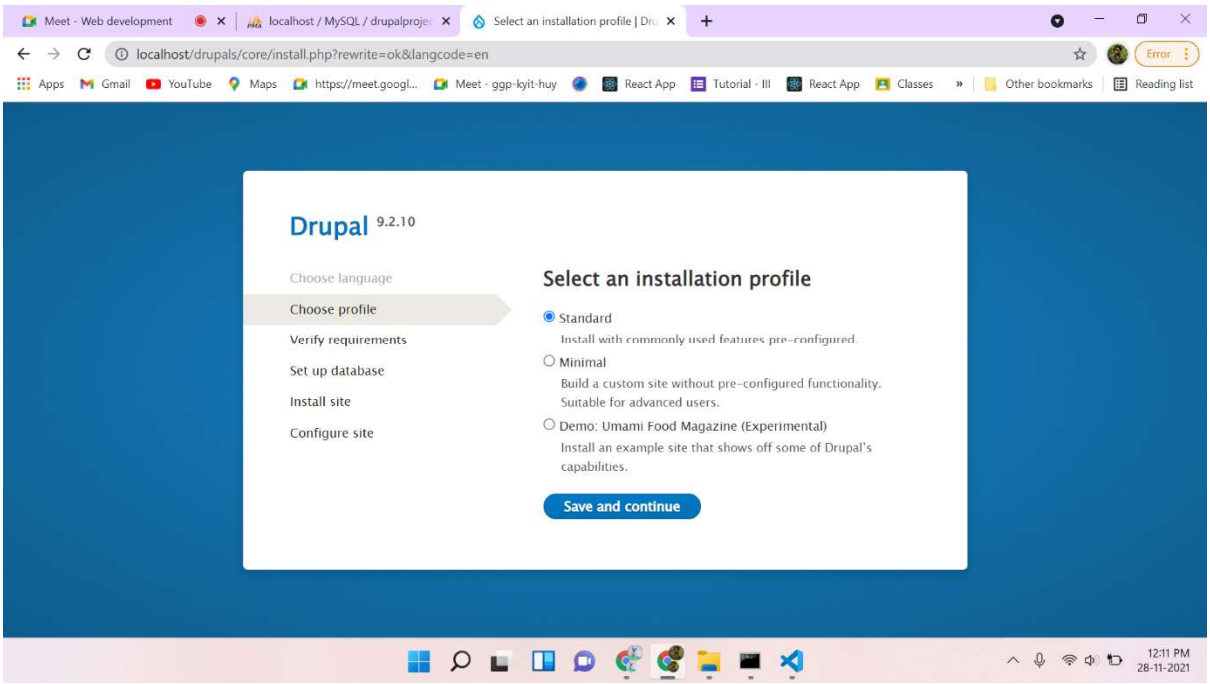
STEP 11: Go to c: \wamp64\www\drupal project. durpal project is the folder name paste the copied files inside the drupal project folder.

STEP 12: Go to browser window and type local host /drupal project.

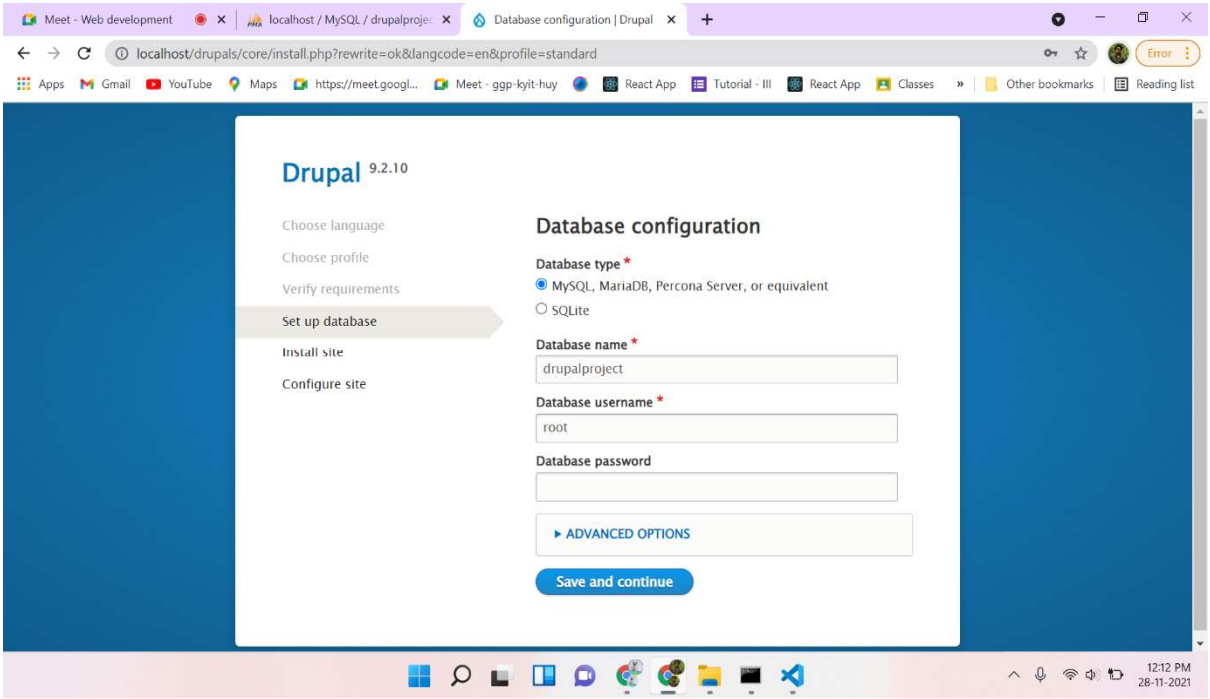
STEP 13: Drupal window is opened choose language English Then click save and continue button.



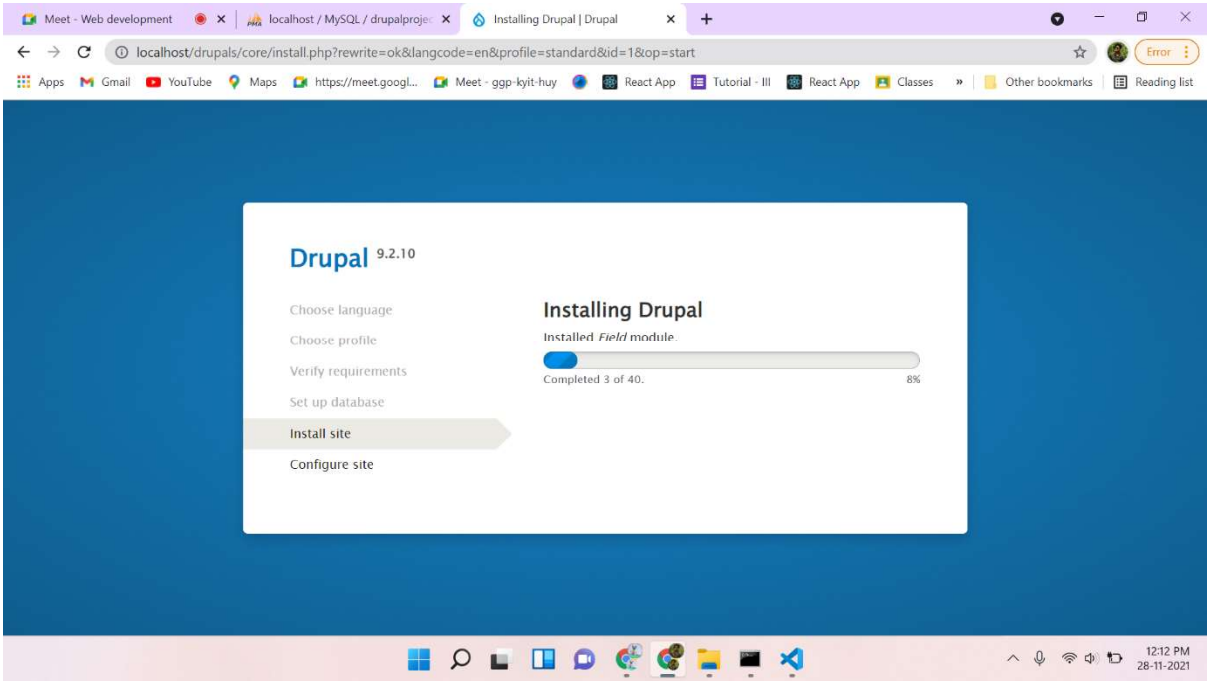
STEP 14: In select an Installation profile, click standard option and then click Save and continue button



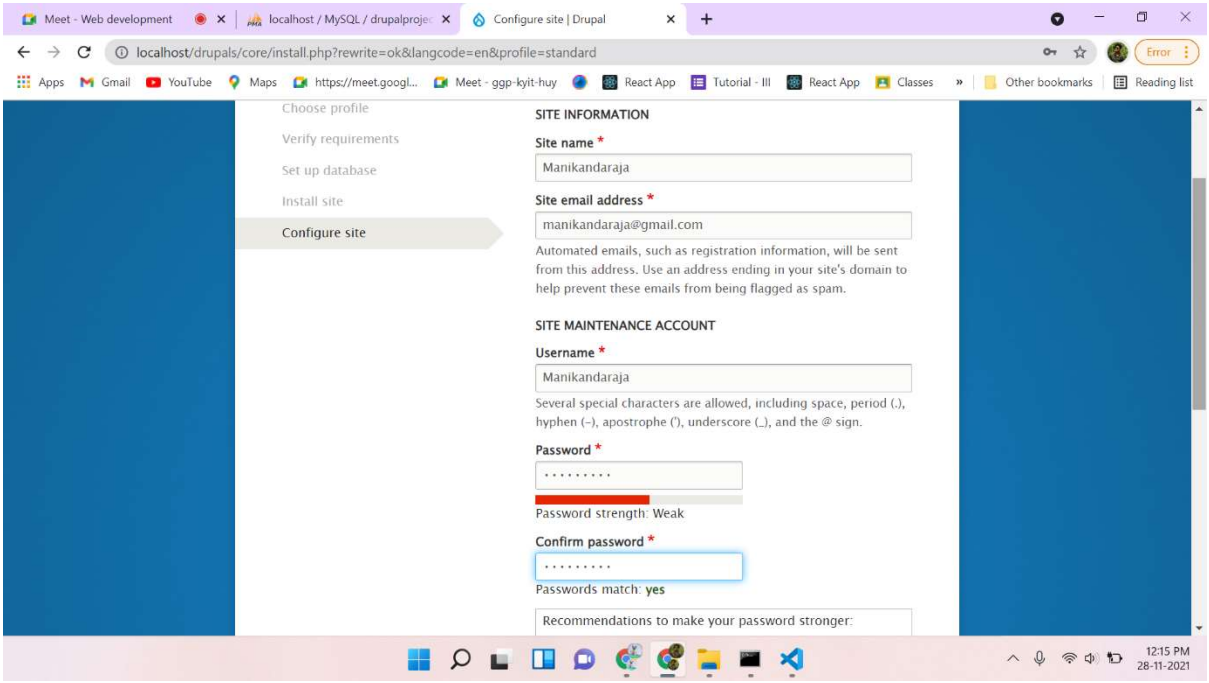
STEP 15: In database configuration, enter the database name we given already "root" and do not give password



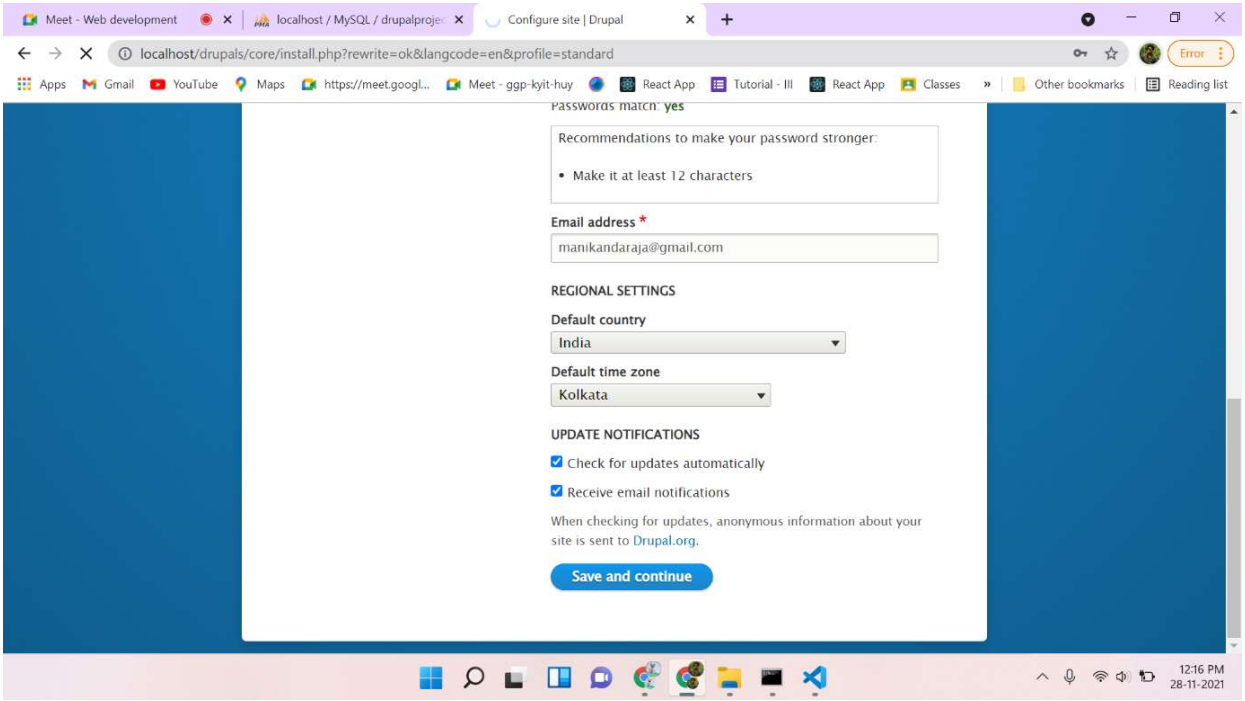
STEP 16: click save and continue button. Installing will started



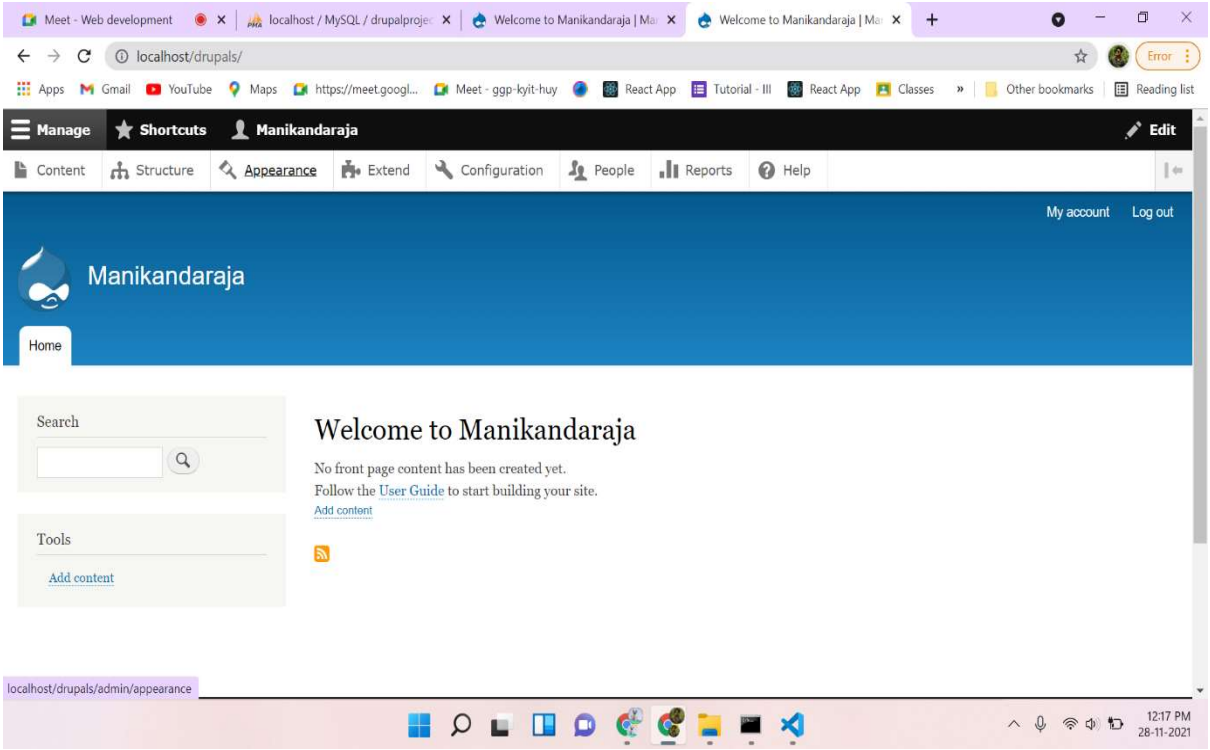
STEP 17: In configuration site window. Enter site name and site Email id , From site maintenance account, Give username and password, From Regional settings, given country as India Click save and continue button Drupal is installed.



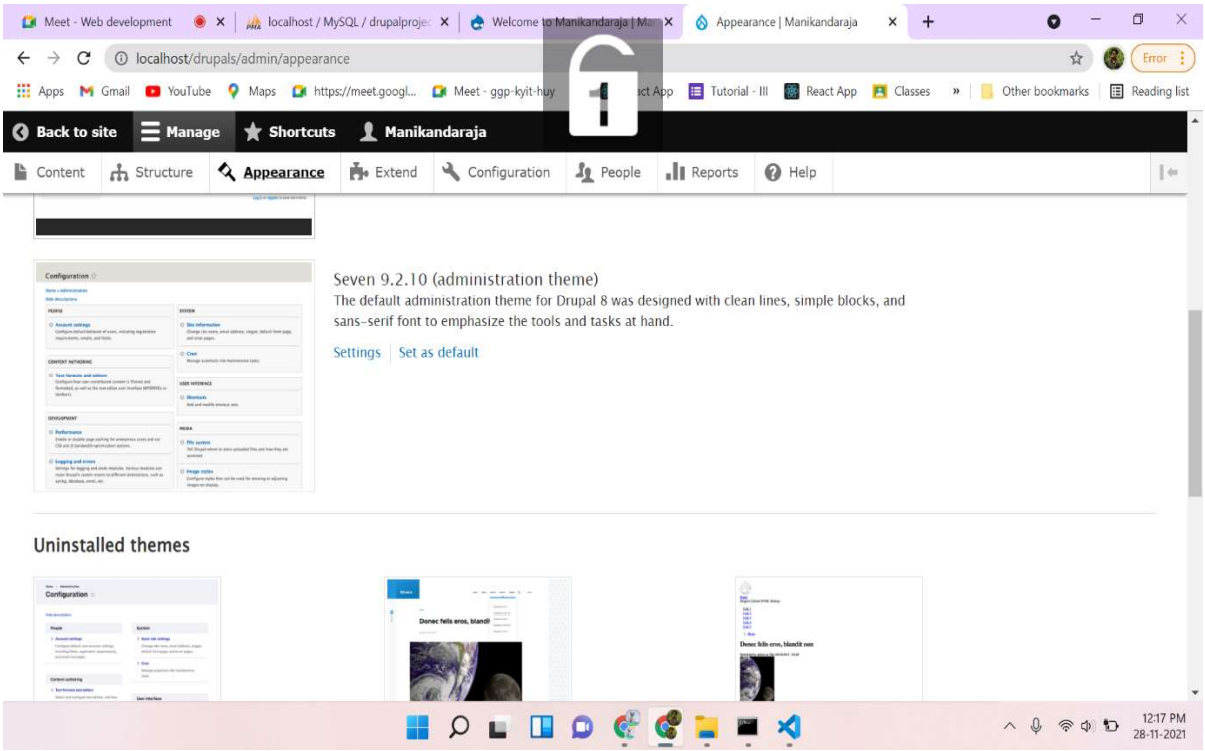
STEP 18: Enter Localhost/drupal project in the browser window.



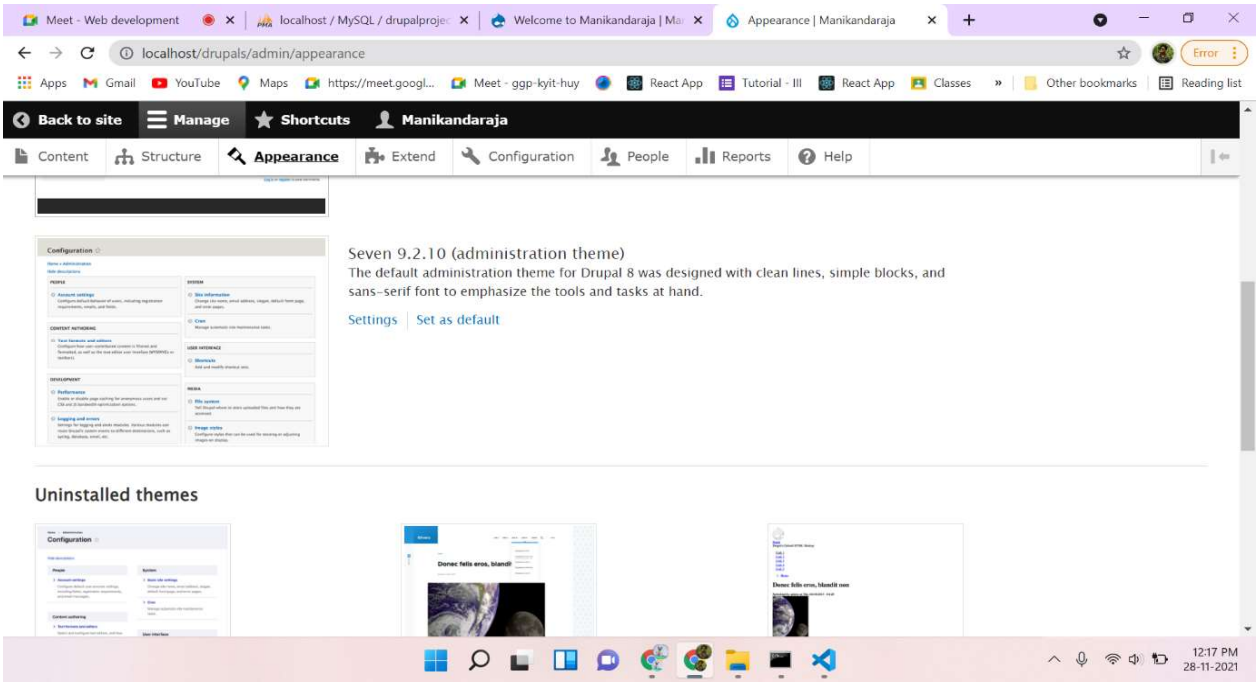
STEP 19: Click appearances option from the left side panel.



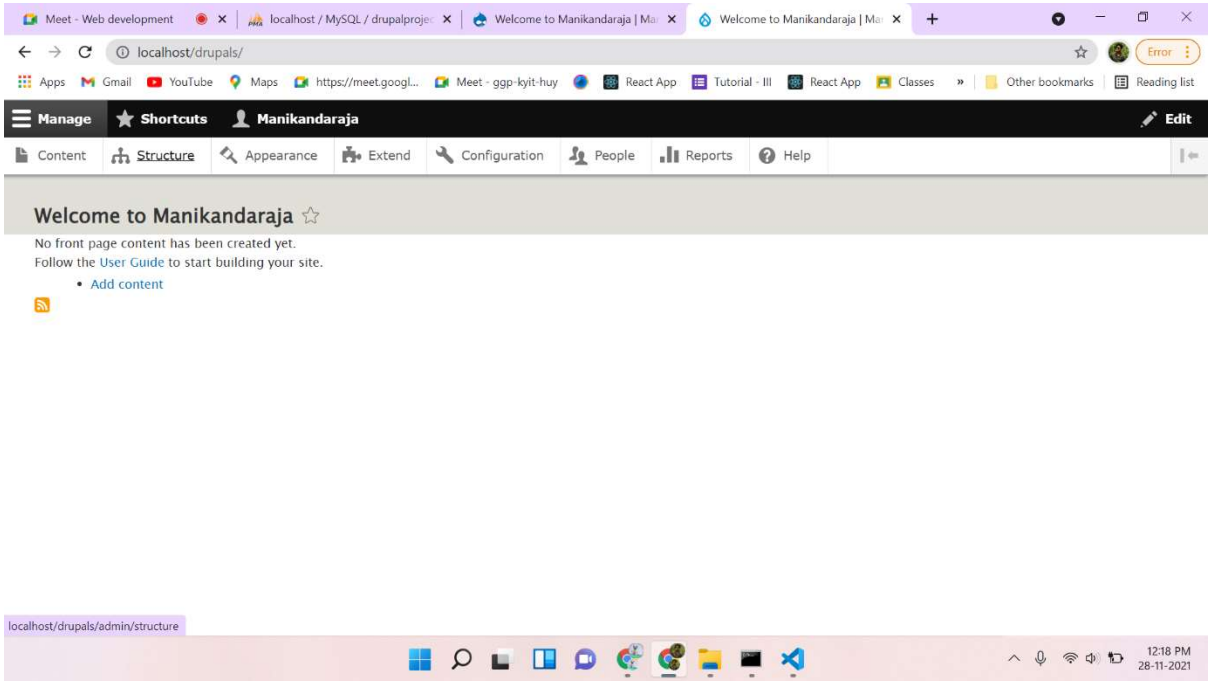
STEP 20: From Seven 9.2.7, Select set as default



STEP 21: Under the list tab



STEP-22: From the structure option from default panel click the block layout.



RESULT:

Created a website using drupal and successfully website has been shown.

EXPERIMENT NO: 12

DATE : 30/11/2021

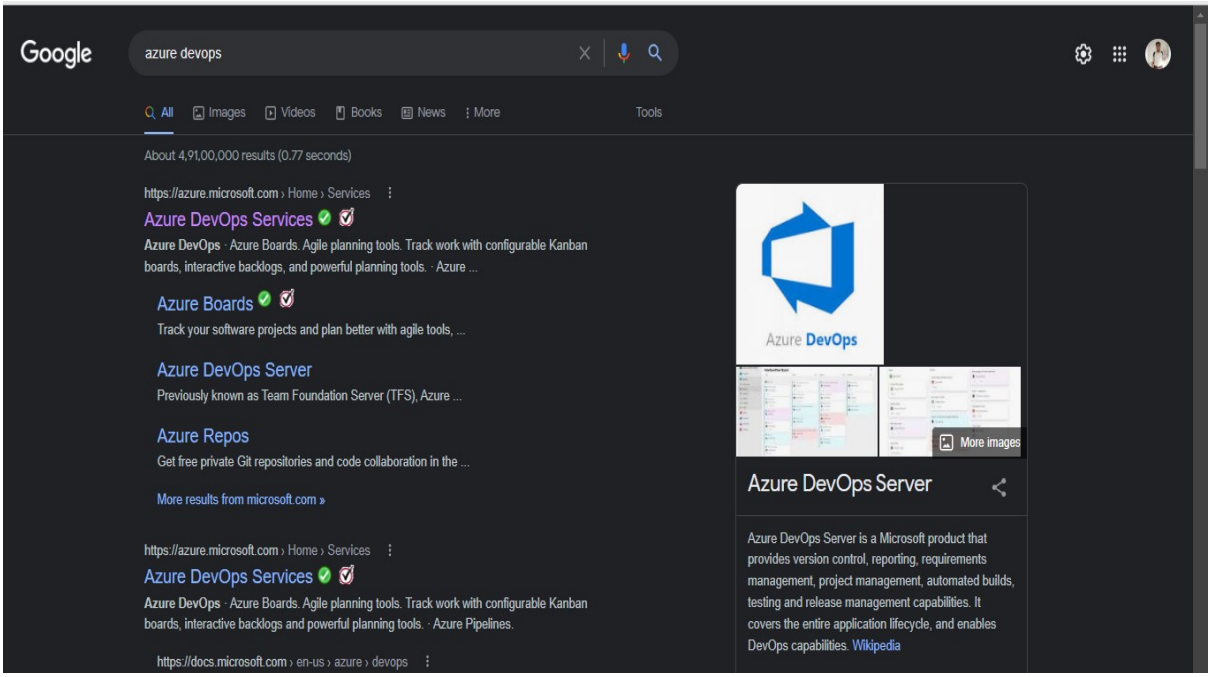
WEB APPLICATION DEPLOYMENT USING AZUREDEVOPS

AIM:

To create a web application deployment using azure devops.

STEPS:

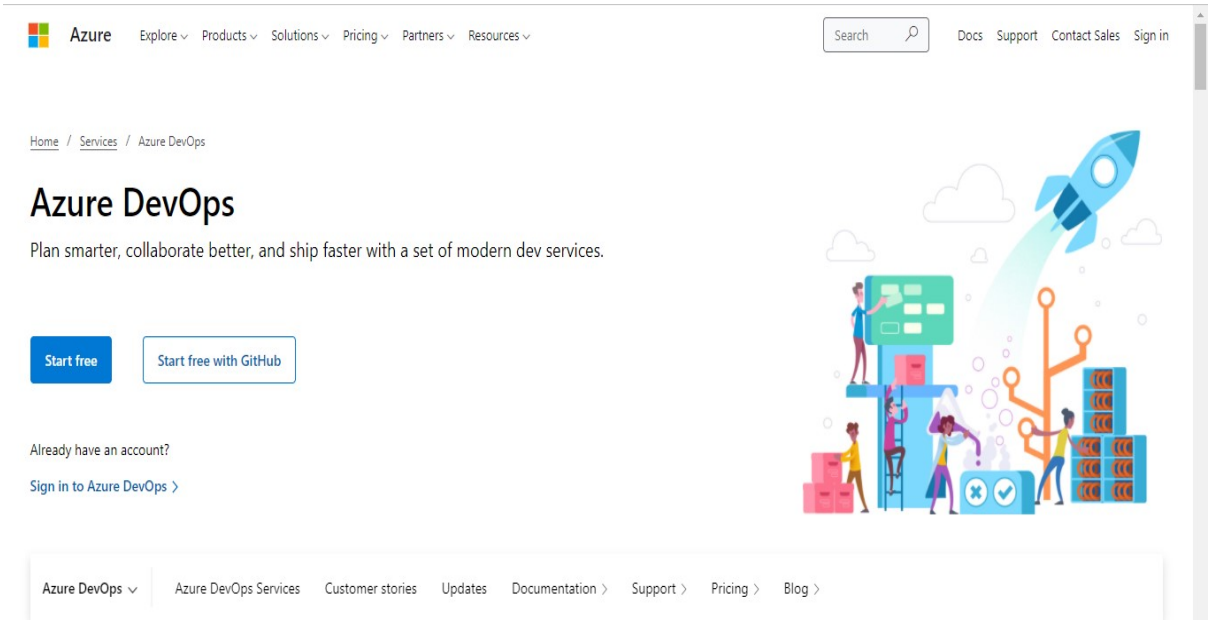
STEP 01 : Go to https://azure.microsoft.com/en-us/services/devops/



STEP 02 : Open an Account in MicroSoft.

STEP 03 : The Sign In to the MicroSoft account

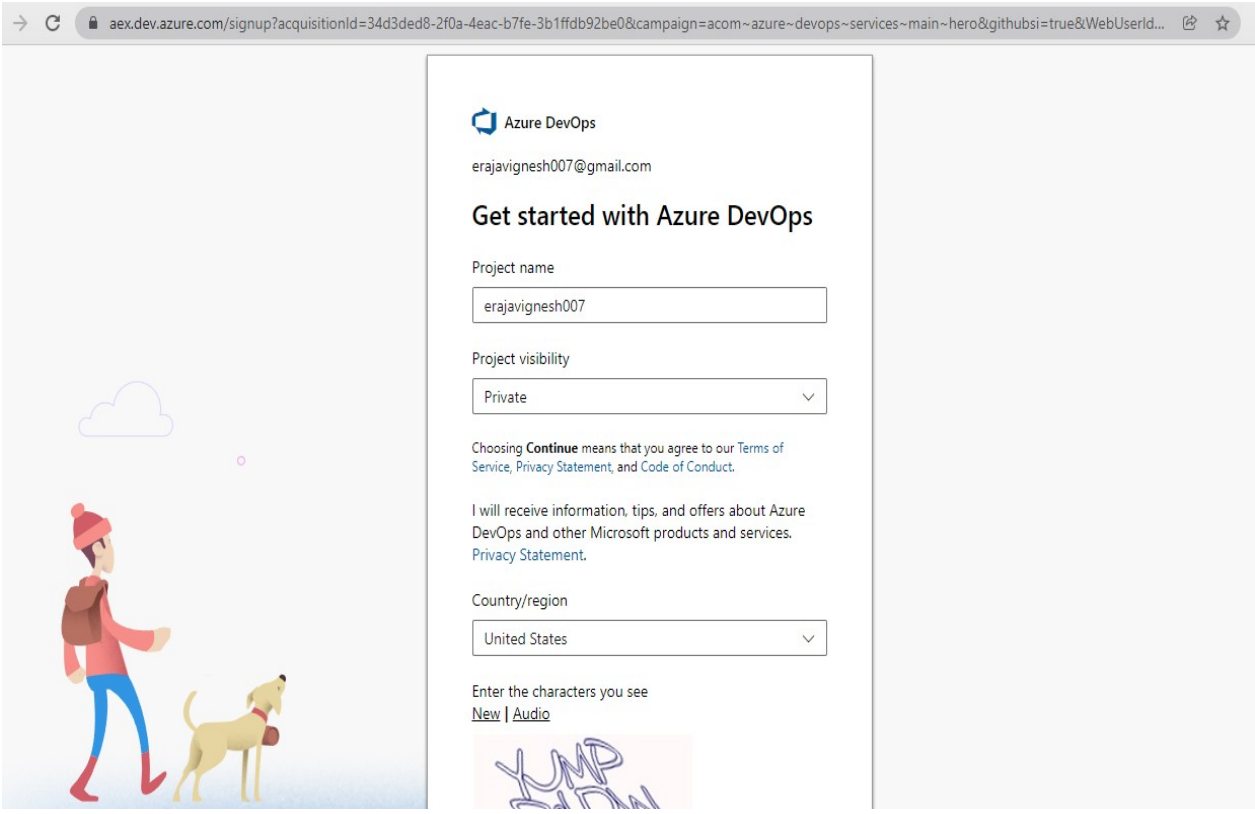
STEP 04 : Then Click Start Free



STEP 05 : Now Click the new project

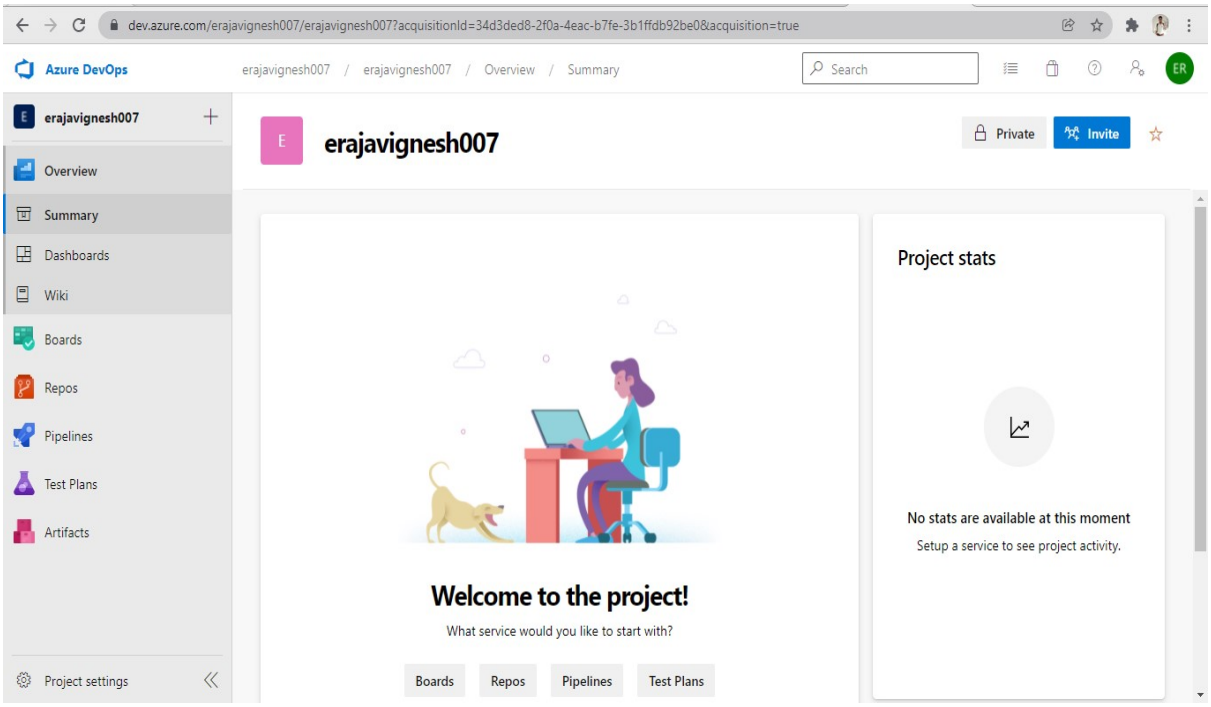
STEP 06 : Give the Project name

STEP 07 : Then Click Create

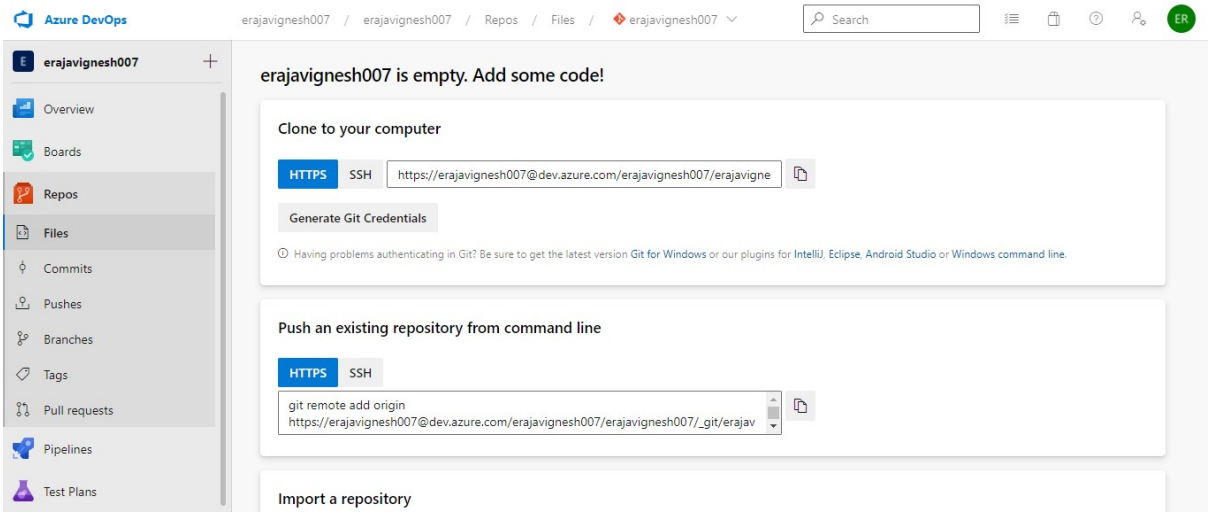


STEP 8 : Now your Project has been created.

STEP 9 : Go to Repos.

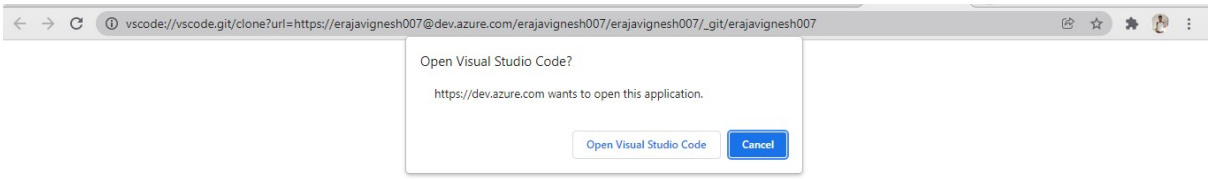


STEP 10: See Clone To Computer



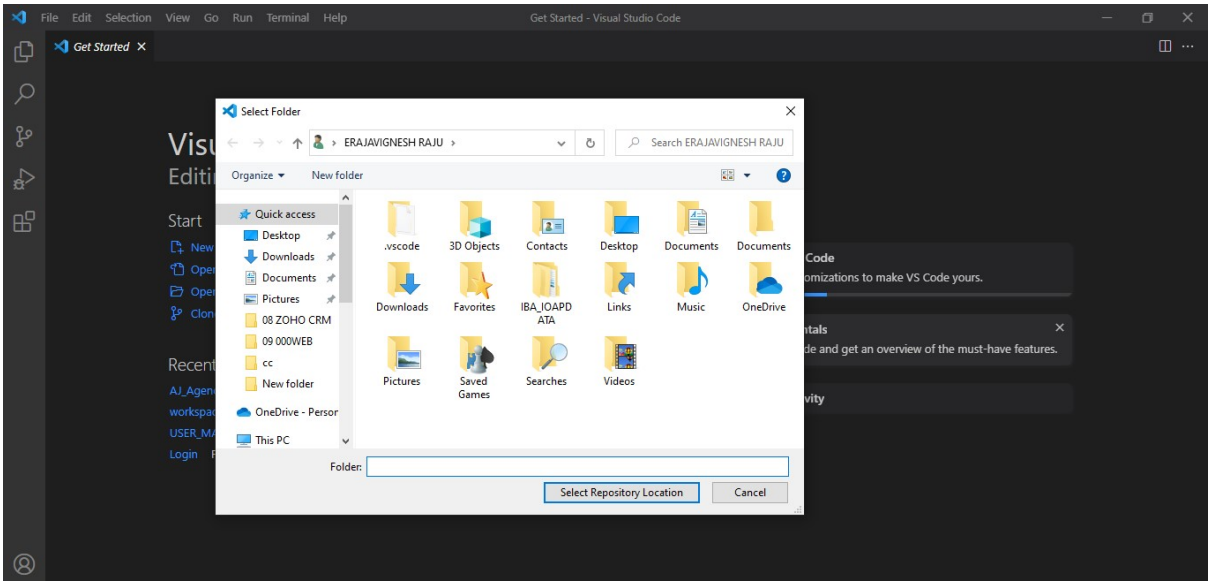
STEP 11: Select the Proper Application That you are Going to push the code.

STEP 12: After selecting, Click the **clone in VS Code,** It will Navigate you to the VS Code Application



STEP 13 : Then Click the Open Visual Studio Code

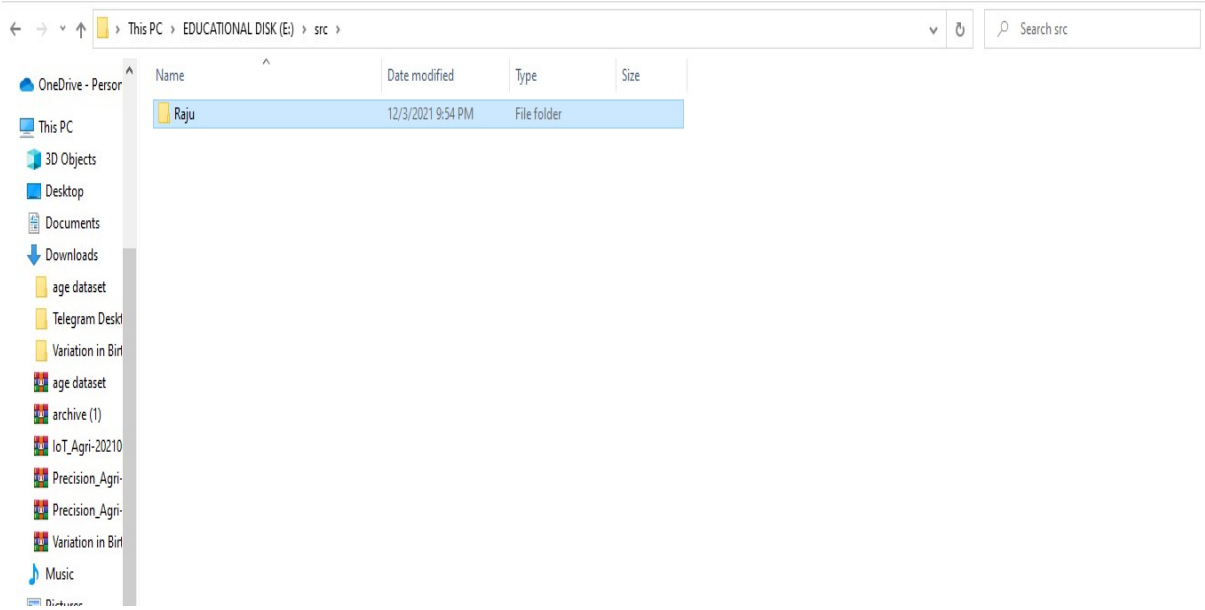
STEP 14: Click Allow to Open



STEP 15: Then You Need to Sign In to the VS Code too.

STEP16 : Install Git in your PC.

STEP 17: Create a New Folder Name it as **src**

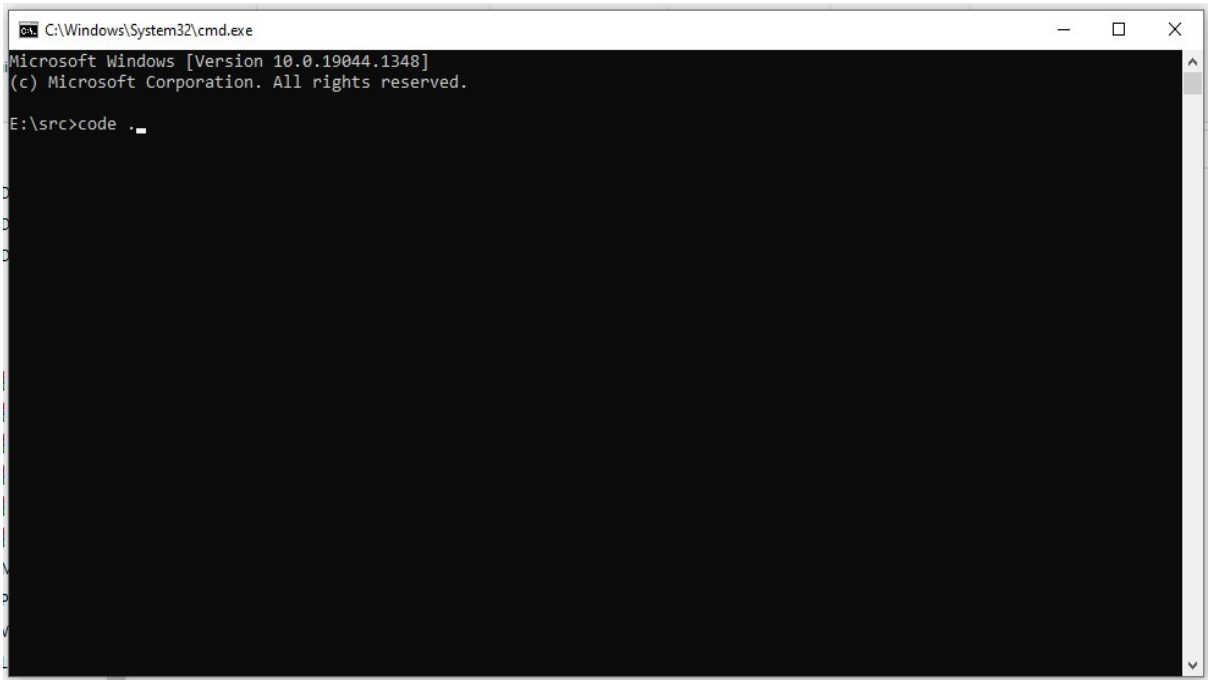


STEP 18: Now Move the **HTML** here into the folder

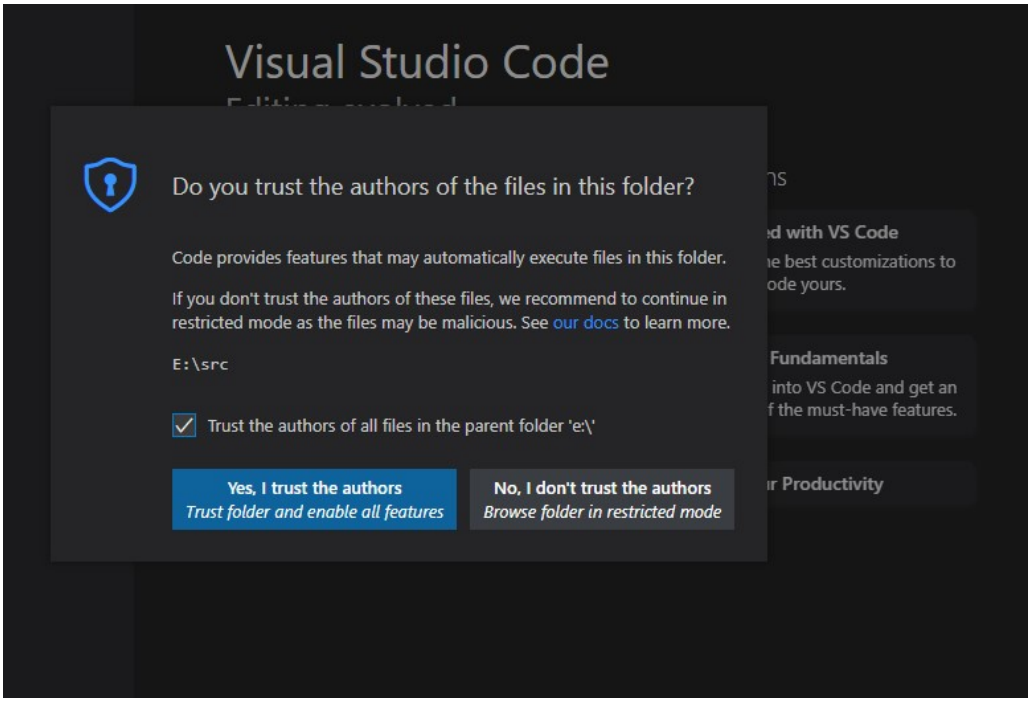
STEP 19: in SRC folder path Type CMD

STEP 20: now the Command window will be opened

STEP 21: type **CODE .**

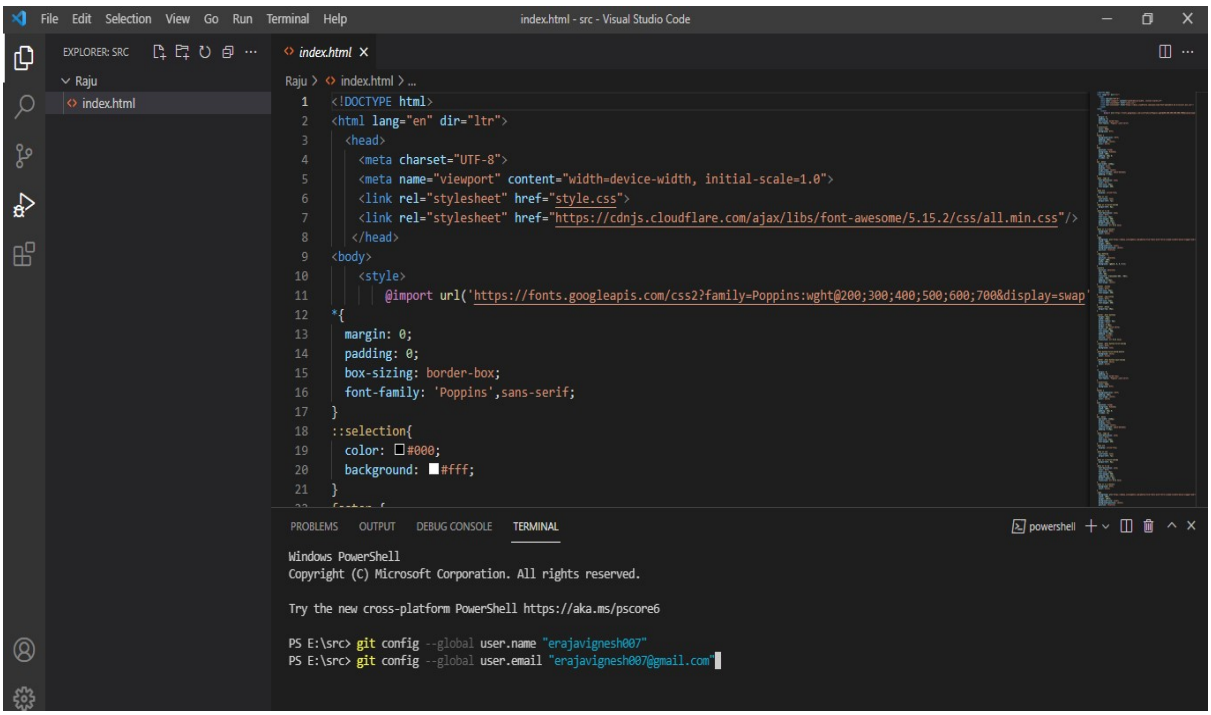


STEP 22: Then Click **I Trust This Folder**



STEP 23: git config --global user.name "erajavignesh007“

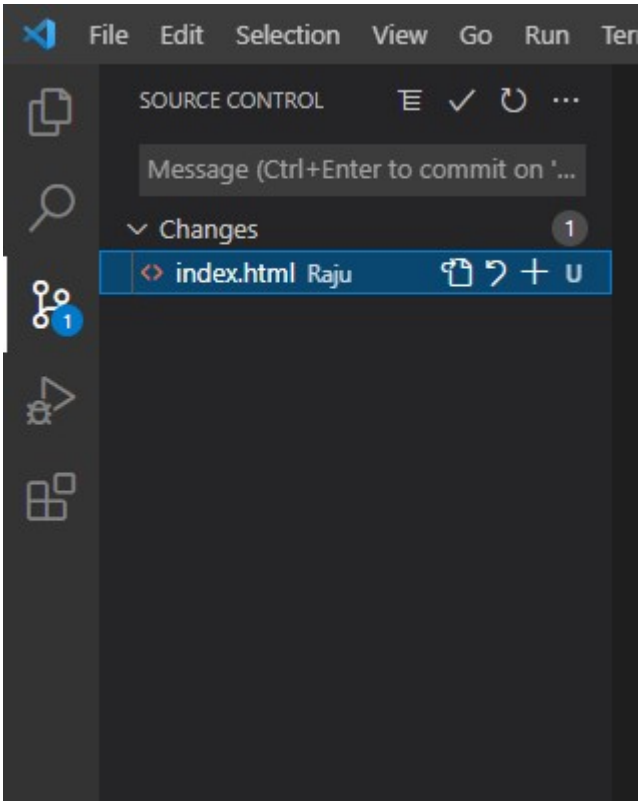
STEP 24:git config --global user.email erajavignesh007@gmail.com



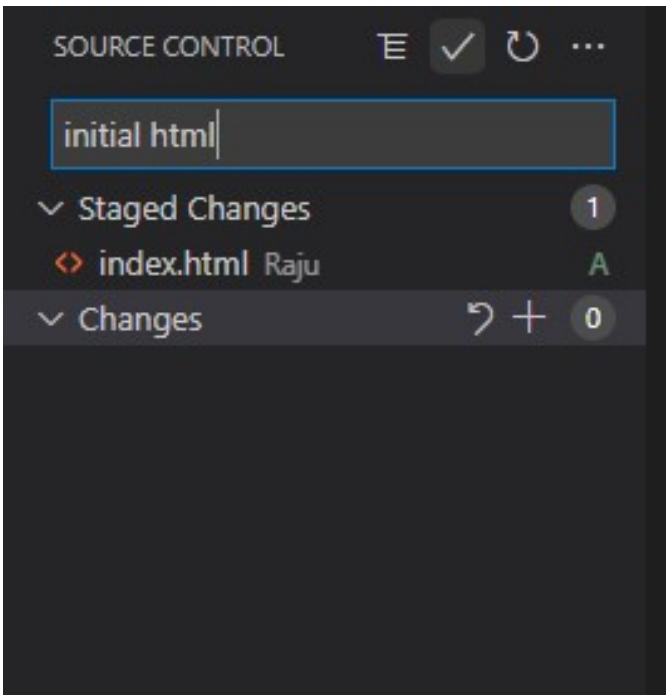
STEP 25: Click The Source Control

STEP 26: Click Initialize Repository

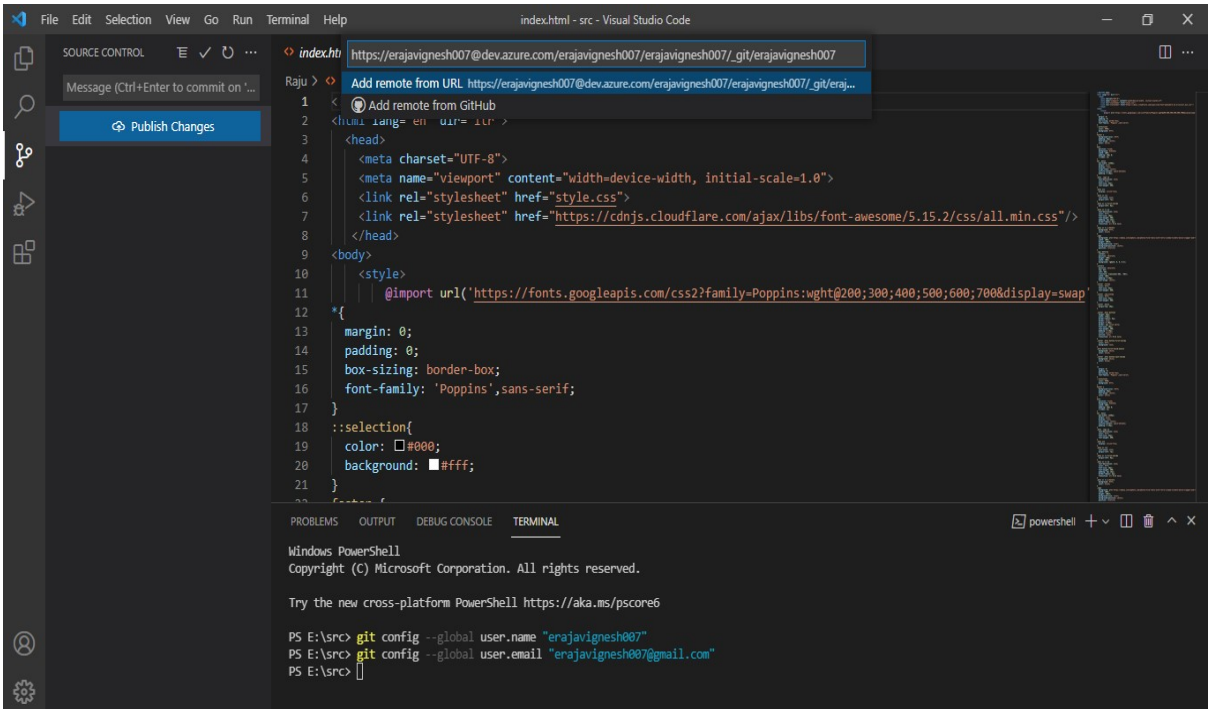
STEP 27: Click the + icon near to the HTML Page (Staging Change)



STEP 28: In message box Type **Initial HTML**

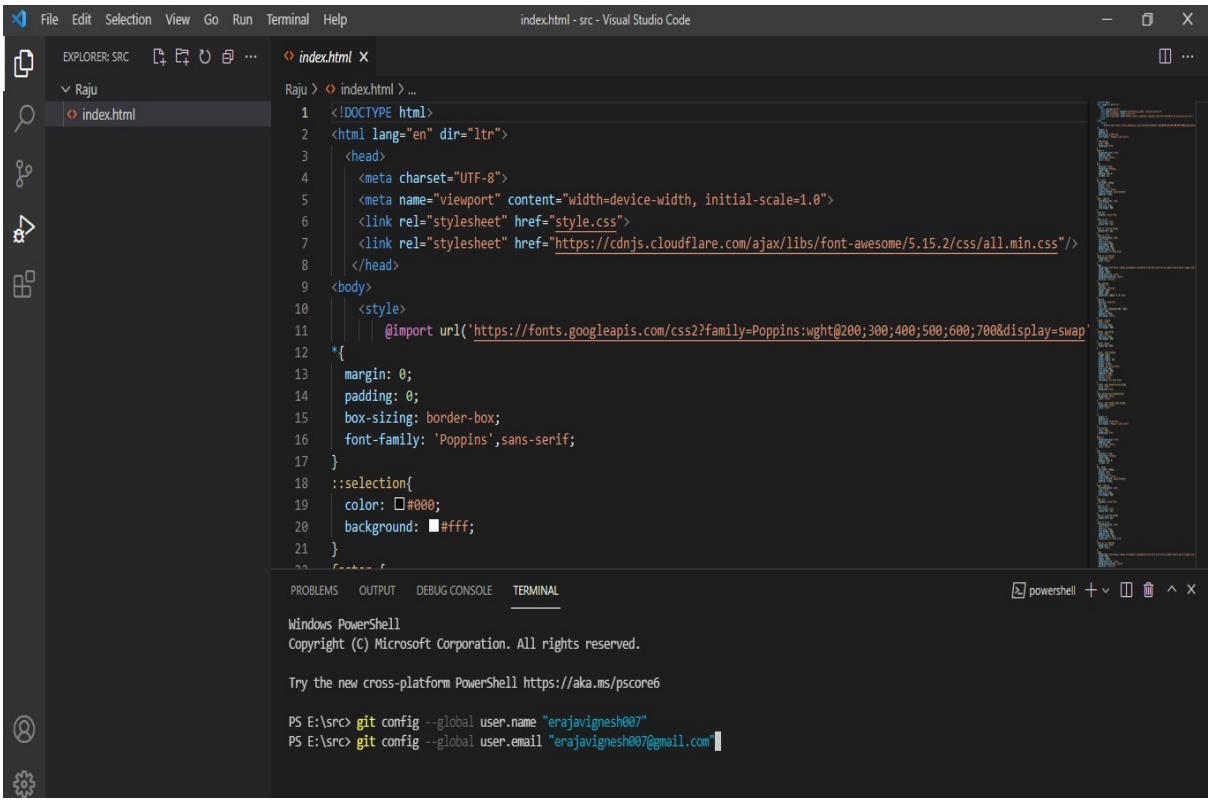


STEP 29: Then Click The Tick Icon (**COMMIT**) Appear on the Top

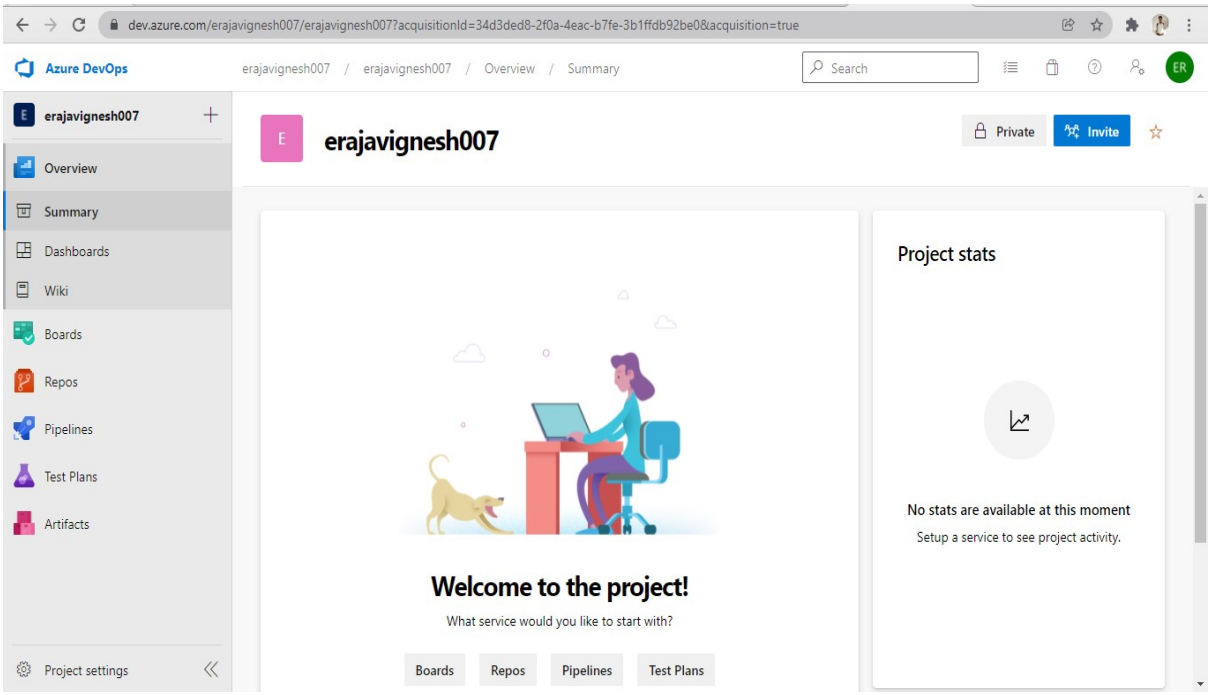


STEP30 :(…) Click the menu On top

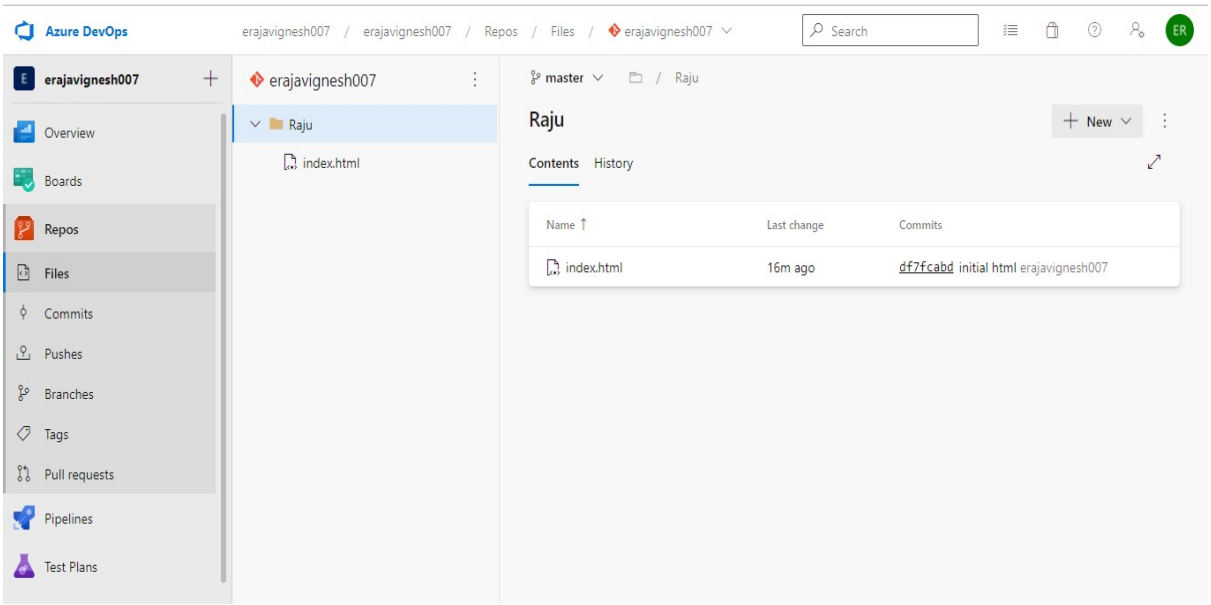
STEP 31 : Click **PUSH**



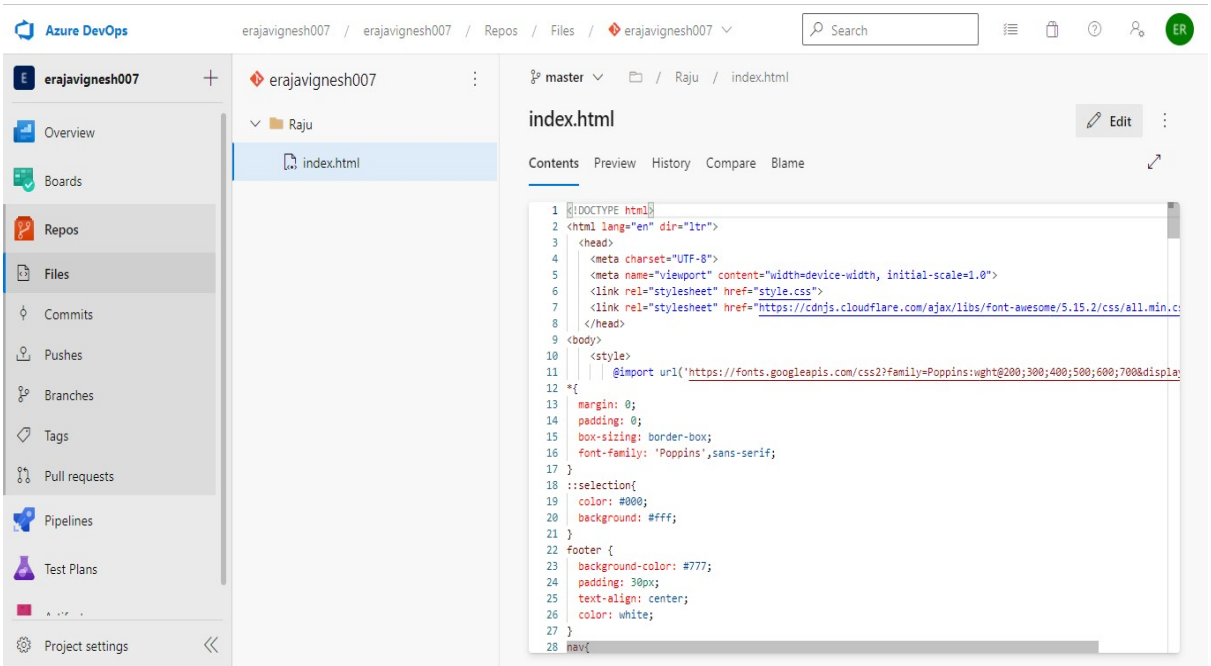
STEP 32: Now Go to the Azure DevOps.



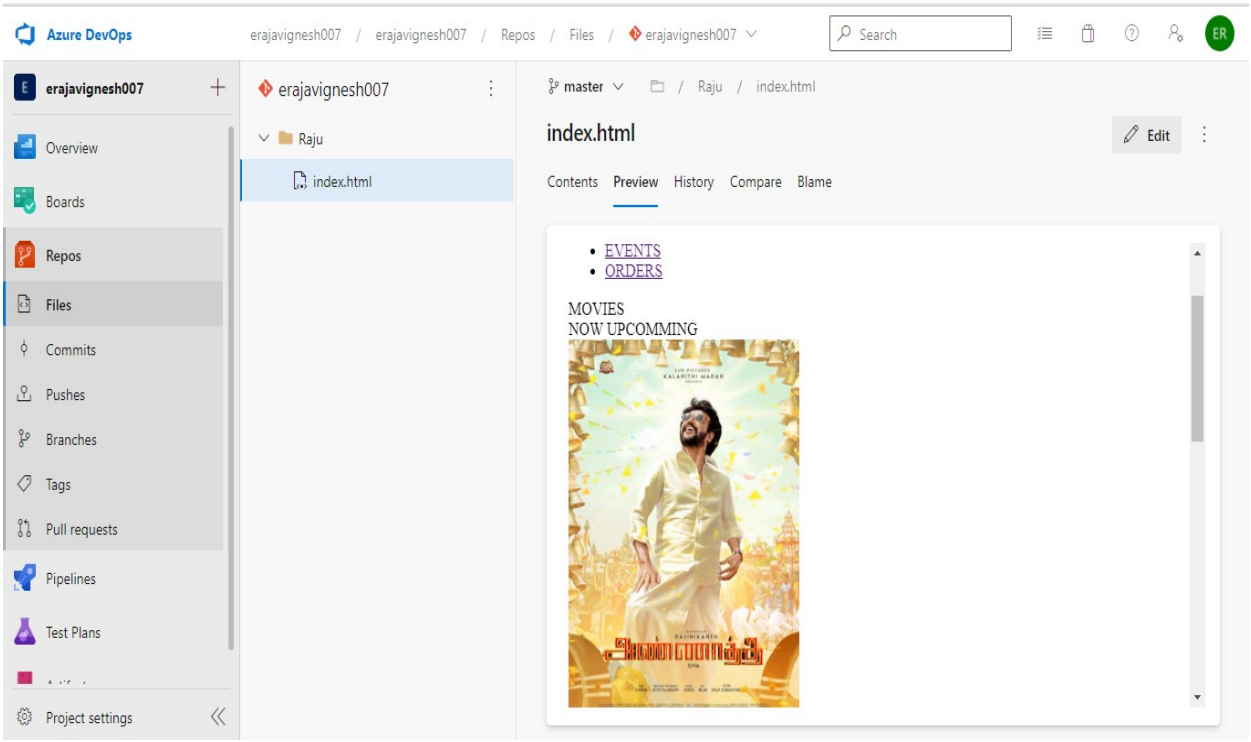
STEP 33: Click on Respos -> Files



STEP 34 : Now you can see the file that you pushed in Vs Code.



STEP 35 : Now click preview to see the output of the code.



RESULT:

Using Azure Devops a web application has been deployed successfully.

RAJU'S CC RECORD