

EXPERIMENT NO : 01

DATE : 12/08/2021

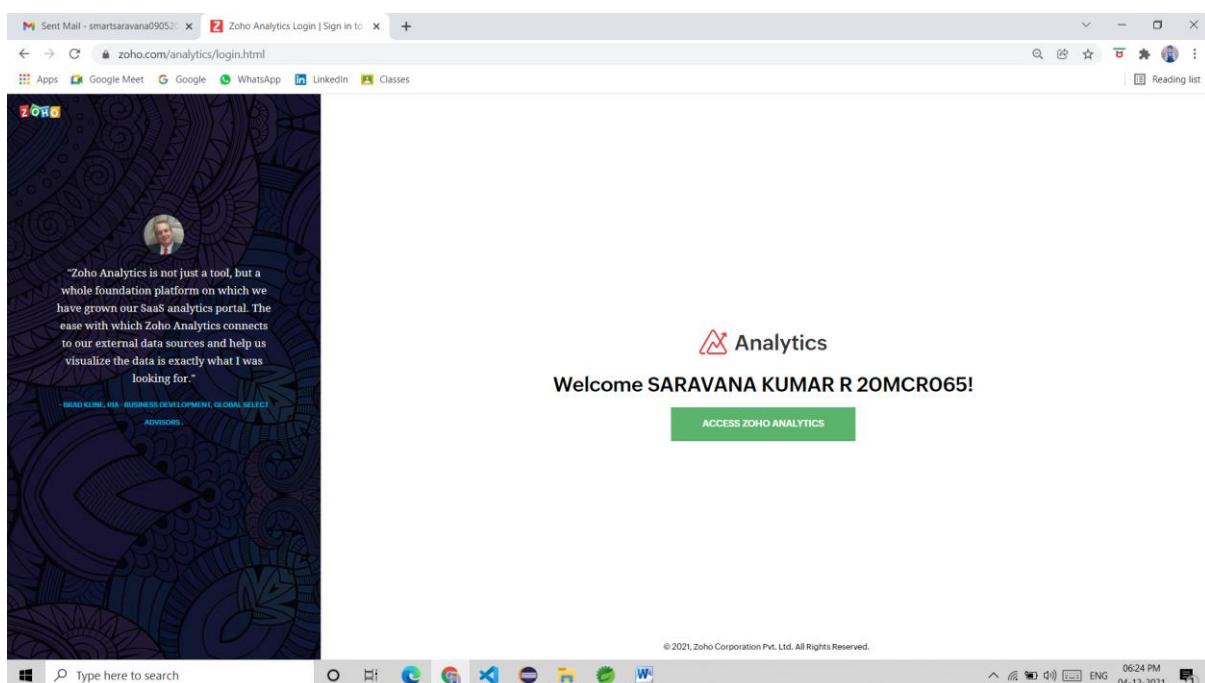
DATA VISUALIZATION USING ZOHO PLATFORM

AIM:

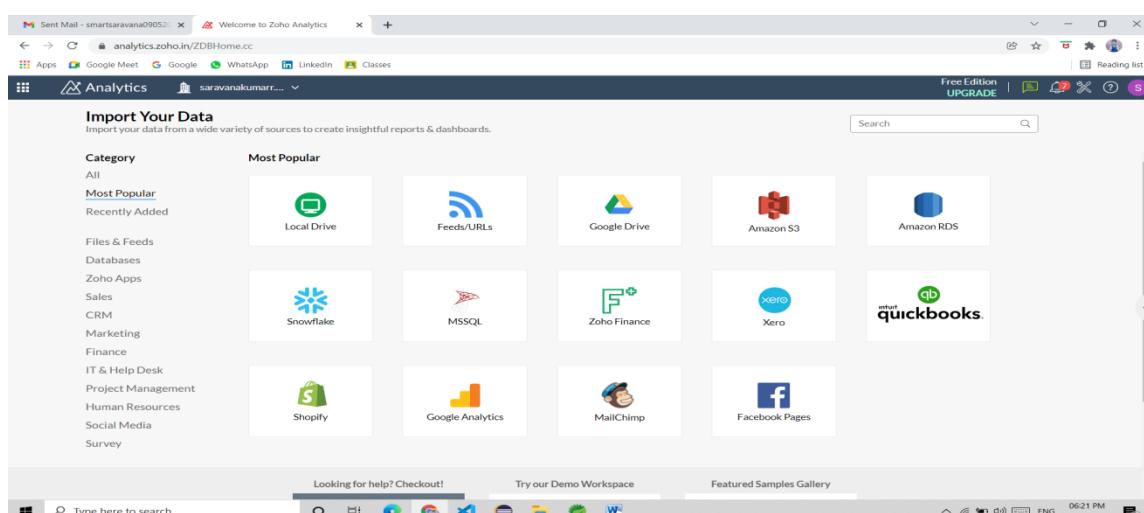
To create visually appealing data visualizations and insightful dashboards using zoho.

ALGORITHM:

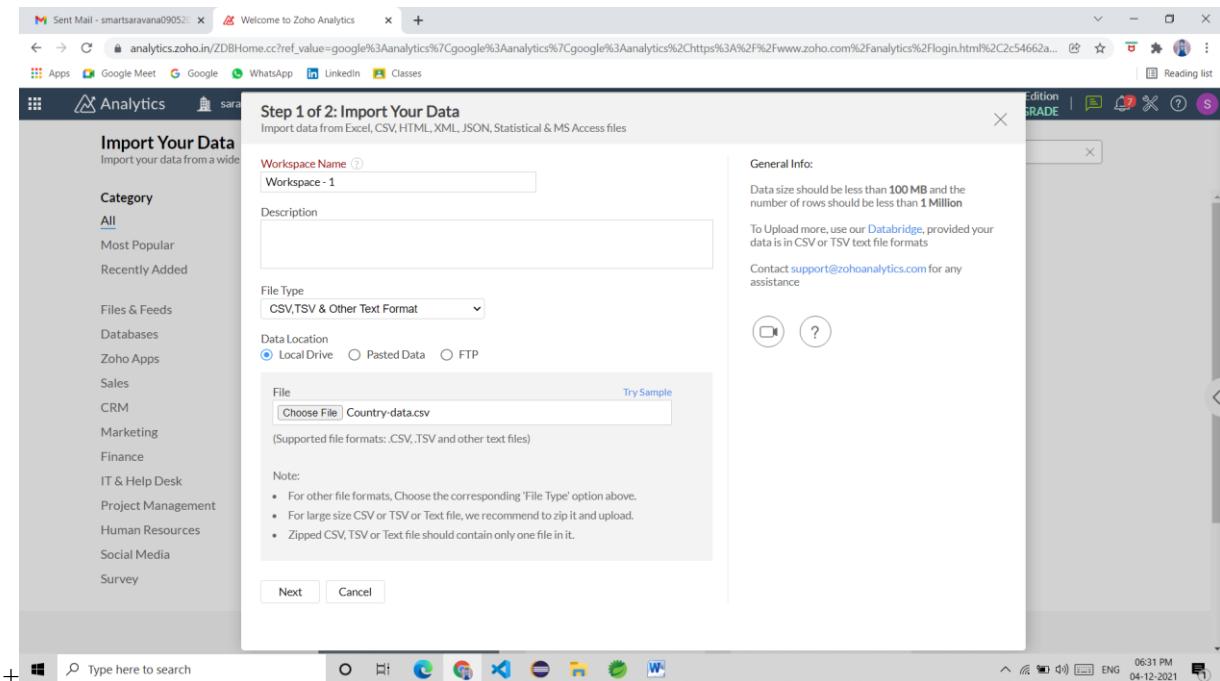
STEP 1: Enter into page by searching using zoho analytics.



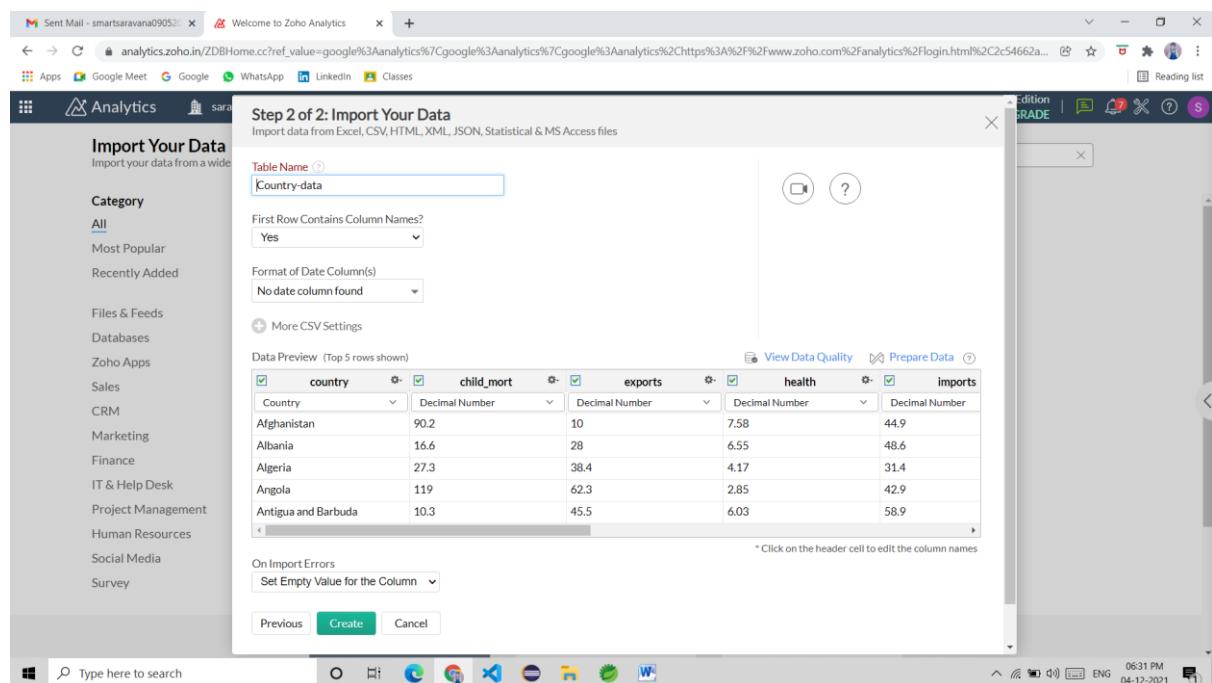
STEP 2: Make sign up into the analytics.



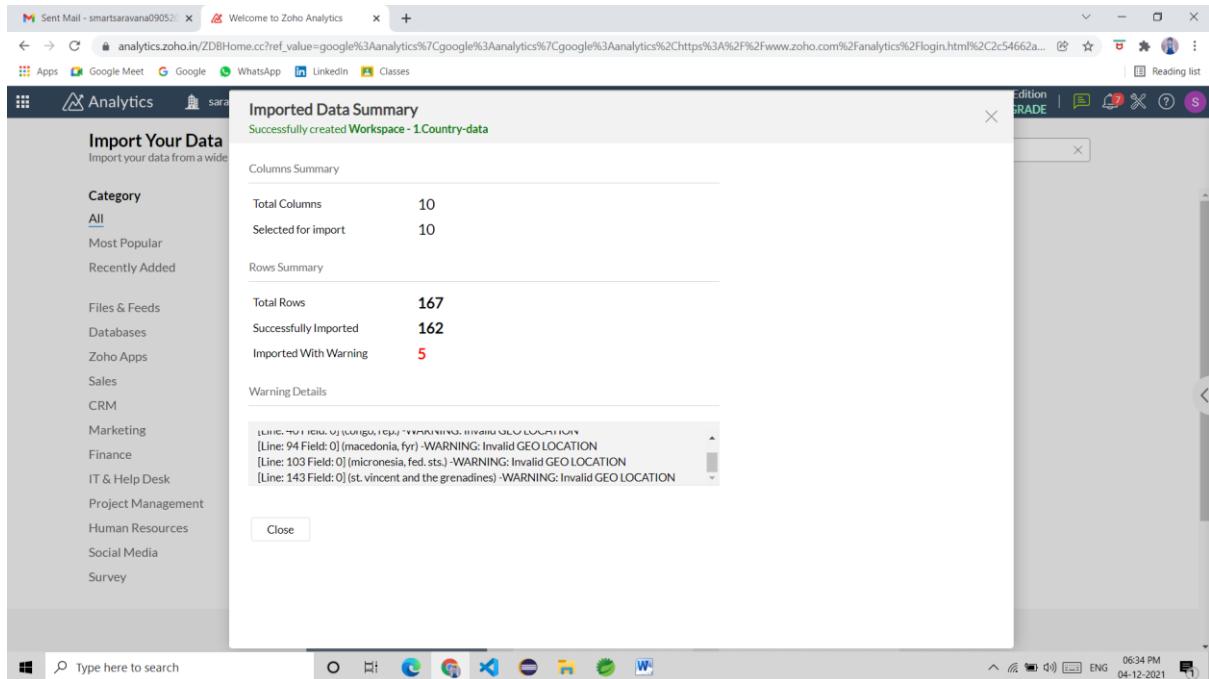
STEP 3: Select the local drive and give the workspace name and choose the file type.



STEP 4: Choose file from the computer and click next.



STEP 5: Select the columns that are needed to make chart and click create.



STEP 6: The file is to be imported and click close.

STEP 7: The workspace will be opened.

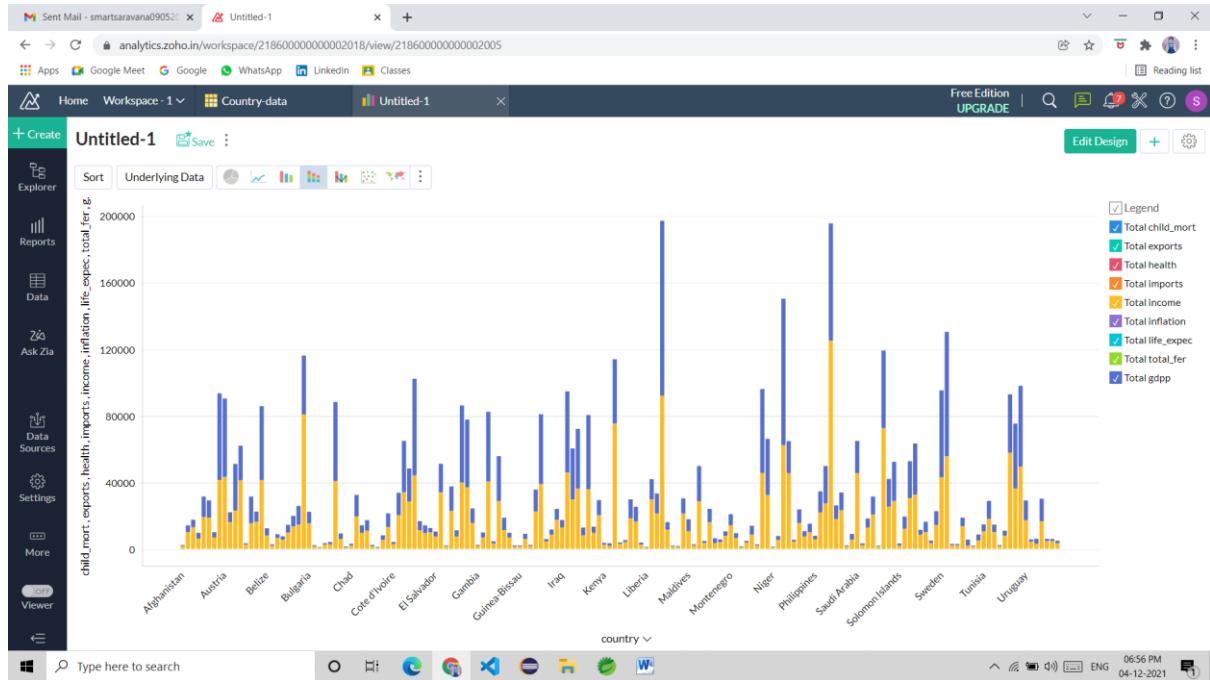
The screenshot shows the 'Country-data' workspace in Zoho Analytics. The interface includes:

- Left Sidebar**: + Create, Reports, Data, Ask Zia, Data Sources, Settings, More, Viewer.
- Top Bar**: Home, Workspace - 1, Country-data, Free Edition UPGRADE, Edit Design, Share.
- Data Grid**: A table with columns: country, child_mort, exports, health, imports, income, inflation, life_expec, total_fer. The data rows show values for countries like Afghanistan, Albania, Algeria, etc.
- Auto Generate Reports Dialog**: A central modal window with the title 'Auto Generate Reports'. It contains the text: 'Zoho Analytics can analyze and instantly generate reports for you. You can customize/delete them later.' and a 'Generate Now?' button. There is also a checkbox 'Don't show this dialog again' and two buttons 'Yes' and 'No'.
- Bottom Bar**: Type here to search, system icons, and timestamp: 06:53 PM 04-12-2021.

STEP 8: click the reports in the left side.

The screenshot shows the Zoho Analytics workspace. On the left sidebar, under the 'Reports' section, there is a 'Create New Reports' panel with four options: 'Chart View', 'Pivot View', 'Summary View', and 'Tabular View'. The 'Tabular View' option is selected, showing a preview of a data grid with columns: exports, health, imports, income, inflation, life_expect, total_fer, and gdpp. The main area displays a large data grid with 167 rows of similar data. The top right corner of the grid has a 'Rows: 167' indicator.

STEP 9 : The report will be generate automatically.



RESULT:

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

EXPERIMENT NO : 02

DATE : 19/08/2021

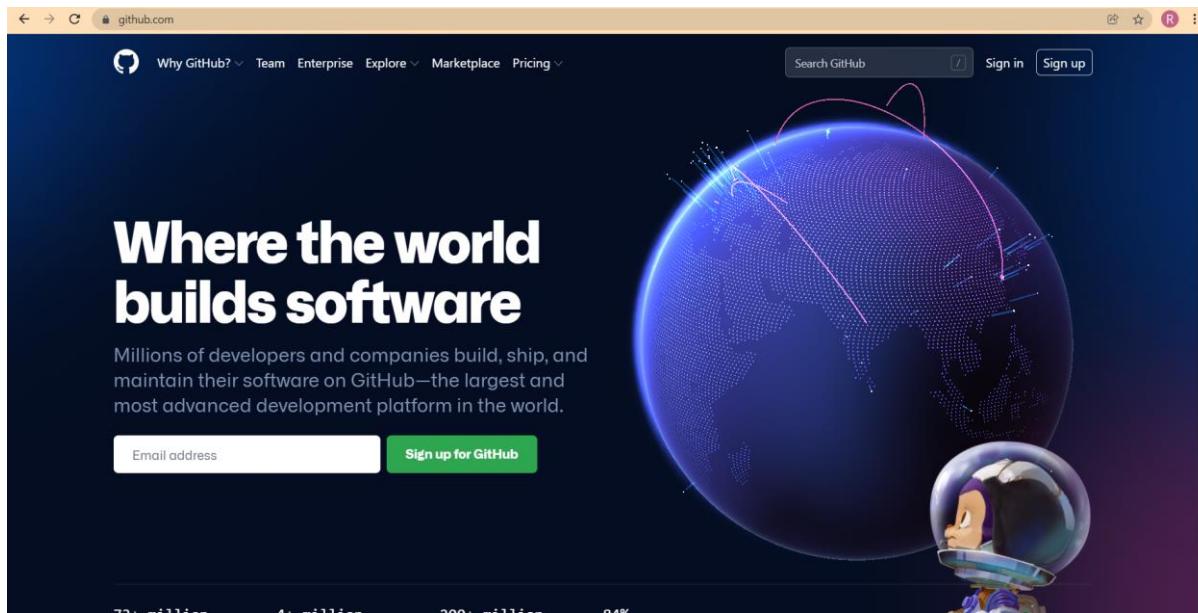
CREATE AND USE A REPOSITORY USING GITHUB

AIM:

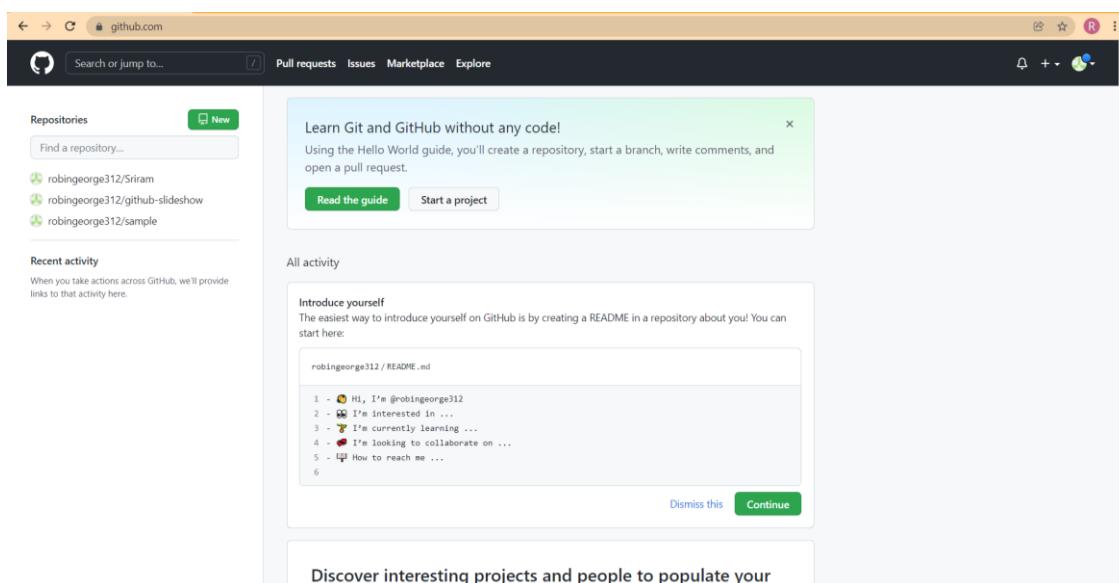
To create and use a repository using github.

ALGORITHM:

Step1: open browser and search github.com



Step2: Sign into the website then, the github homepage will be displayed.



Step3: Click 'New' in left top corner

Step4: Give the repositories name and make it as public

The screenshot shows the GitHub interface for creating a new repository. At the top, it says "Create a new repository". Below that, there's a section for "Owner" (set to "robingeorge312") and "Repository name" (set to "CC"). A note says "Great repository names are short and memorable. Need inspiration? How about fictional-lamp?". There's a "Description (optional)" field which is empty. Under "Initialize this repository with:", there are three options: "Add a README file" (unchecked), "Add .gitignore" (unchecked), and "Choose a license" (unchecked). At the bottom is a green "Create repository" button.

Step5: Click the create repository.

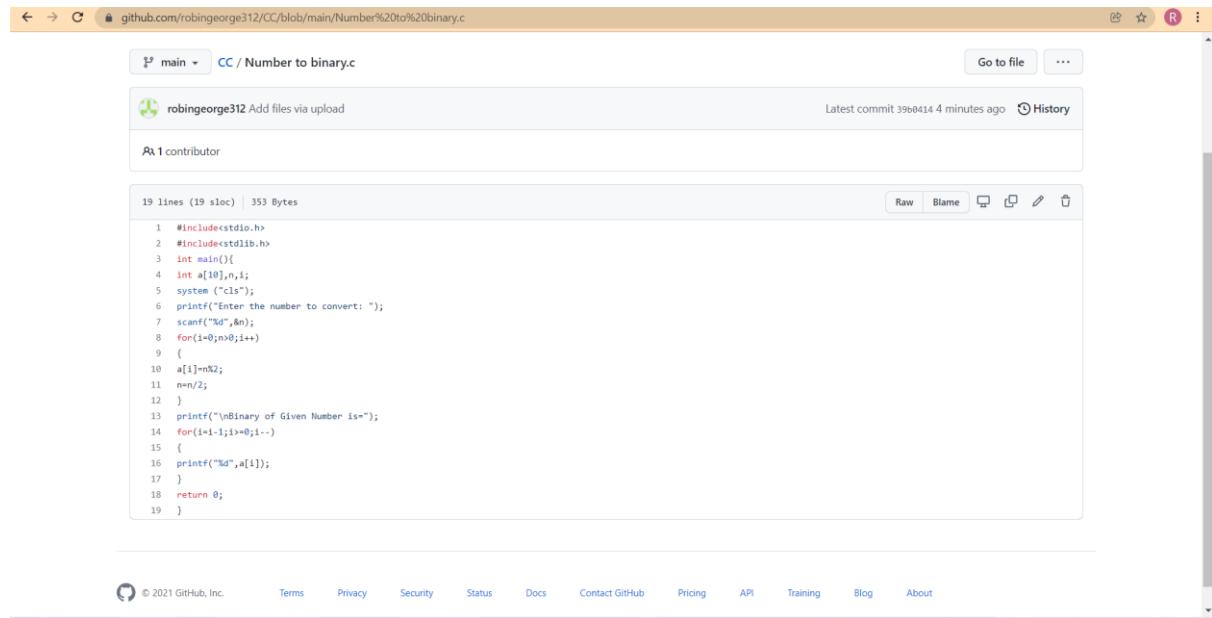
Step6: Click add file button and Click create file or upload file.

Step7: Choose the file and upload in github.

Step8: Click the button commit changes.

The screenshot shows the GitHub "Commit changes" dialog. It has a large text area with a file icon and the placeholder "Drag additional files here to add them to your repository" followed by "Or choose your files". Below this is a file list with "Number to binary.c". The "Commit changes" section includes a "Commit changes" button and a "Cancel" button at the bottom.

Step 9: Your file will be uploaded in your repository.



The screenshot shows a GitHub repository page for the file `Number to binary.c`. The repository is owned by `robingeorge312`. The main branch is displayed, showing 19 lines of code with a total size of 353 Bytes. The code is as follows:

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int main(){
4     int a[10],n,i;
5     system ("cls");
6     printf("Enter the number to convert: ");
7     scanf("%d",&n);
8     for(i=0;n>0;i++){
9         {
10             a[i]=n%2;
11             n=n/2;
12         }
13     printf("\nBinary of Given Number is=");
14     for(i=i-1;i>=0;i--)
15     {
16         printf("%d",a[i]);
17     }
18     return 0;
19 }
```

The repository has 1 contributor and the latest commit was made 4 minutes ago. The GitHub interface includes standard navigation and repository management buttons like 'Raw', 'Blame', and 'Edit'.

RESULT:

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

EXPERIMENT NO : 03

DATE : 15/09/2021

SCHEDULER AND PERSONAL INFORMATION MANAGEMENT USING ZOHO

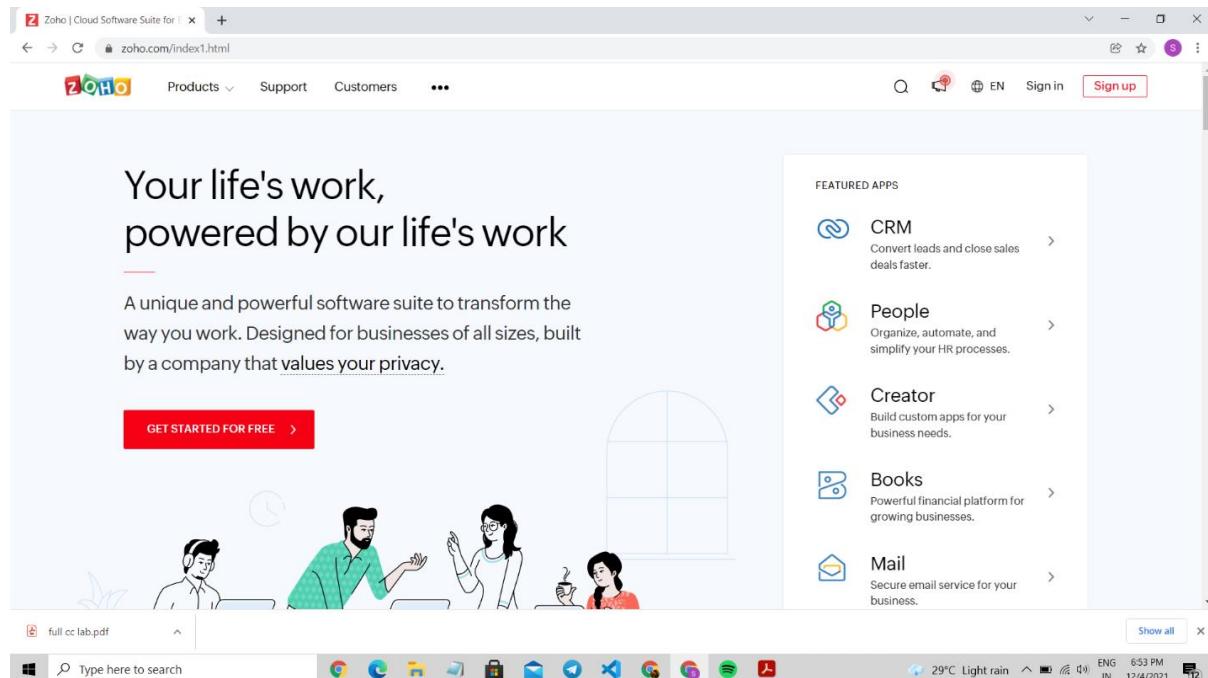
AIM :

To design scheduler and personal information management using zoho workerly.

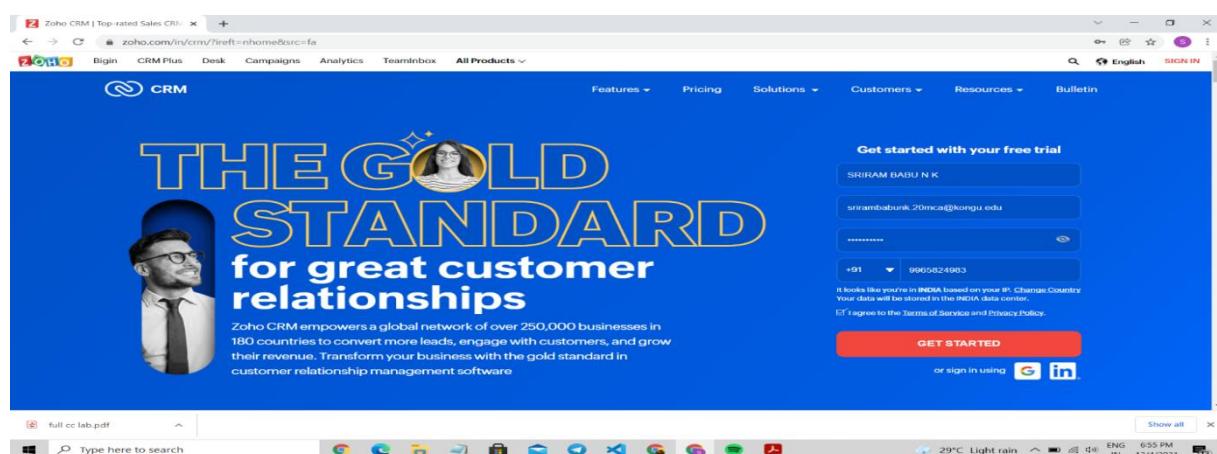
ALGORITHM :

STEP 1: Open the browser and login zoho.com.

STEP 2: Click CRM in home page.



STEP 3: Enter the details and signup and Enter the company name.



STEP 4: Home page is opened. Click the contacts on the top.

The screenshot shows the Zoho CRM Home page. At the top, there's a navigation bar with links for CRM, Home, Leads, Contacts, Accounts, Deals, Tasks, Meetings, Calls, Reports, Analytics, Marketplace, and more. A banner at the top right says "Enterprise Trial UPGRADE". Below the navigation, a welcome message "Welcome SRIRAM BABU N K" is displayed. The main area is divided into several sections: "My Open Deals" (8), "My Untouched Deals" (2), "My Calls Today" (1), "My Leads" (10), "My Open Tasks" (listing tasks like "Register for upcoming CRM Webinars" and "Refer CRM Videos"), and "My Meetings" (listing meetings like "Demo", "Webinar", "TradeShow", "Webinar", and "Seminar"). A status bar at the bottom shows the URL "https://crm.zoho.in/crm/org60012090459/tabc/Contact", the search bar "full cc lab.pdf", and the system tray with weather info (29°C Light rain), battery level (ENG IN 6:58 PM 12/4/2021), and a taskbar icon.

This screenshot is identical to the one above, showing the Zoho CRM Home page. It displays the same dashboard sections: My Open Deals (8), My Untouched Deals (2), My Calls Today (1), My Leads (10), My Open Tasks, and My Meetings. A modal window titled "SAMPLE DATA POPULATION" is open in the "Meetings" section, containing the message: "Sample data added successfully. To remove sample data, go to "Settings -> Data Administration -> Remove Sample Data". The status bar at the bottom includes the URL "https://crm.zoho.in/crm/org60012090459/tabc/Contact", the search bar "full cc lab.pdf", and the system tray with weather info (29°C Light rain), battery level (ENG IN 6:58 PM 12/4/2021), and a taskbar icon.

STEP 5: Click create contact button in the window.

The screenshot shows the Zoho CRM interface for the 'Contacts' module. The top navigation bar includes 'CRM', 'Home', 'Leads', 'Contacts', 'Accounts', 'Deals', 'Tasks', 'Meetings', 'Calls', 'Reports', 'Analytics', 'Marketplace', and an 'Enterprise-Trial UPGRADE' button. A 'Create Contact' button is visible in the top right. The main area displays a table of contacts with columns for Contact Name, Account Name, Email, Phone, and Contact Owner. A sidebar on the left titled 'Filter Contacts by' contains various system-defined filters like 'Touched Records', 'Untouched Records', and 'Record Action'. A 'SAMPLE DATA POPULATION' modal is open at the bottom right, stating 'Sample data added successfully. To remove sample data, go to "Settings -> Data Administration -> Remove Sample Data"'. The taskbar at the bottom shows icons for various applications and the system status.

STEP 6: Enter the details and contact information click and save.

The screenshot shows the 'Create Contact' form in Zoho CRM. The title bar says 'Create Contact' and 'Edit Page Layout'. The form has tabs for 'Cancel', 'Save and New', and 'Save'. The 'Contact Information' section contains fields for Contact Owner (selected as 'SRIRAM BABU N K'), Lead Source (selected as 'Web Download'), First Name ('SRIRAM'), Last Name ('BABU'), Account Name ('King (Sample)'), Vendor Name ('Sri'), Email ('srirambabunk.20mca@kongu.edu'), Title ('Associate developer'), Phone ('9965824983'), Department ('Development'), Other Phone, Home Phone, Mobile, Fax, Assistant, Date of Birth ('Apr 12, 2000'), and Asst Phone. A 'SAMPLE DATA POPULATION' modal is open at the bottom right, stating 'Sample data added successfully. To remove sample data, go to "Settings -> Data Administration -> Remove Sample Data"'. The taskbar at the bottom shows icons for various applications and the system status.

STEP 7: Click task option in top.

The screenshot shows the Zoho CRM Tasks page. The left sidebar contains a 'Filter Tasks by' section with a search bar and various filters like 'System Defined Filters' (Touched Records, Untouched Records, Record Action, Related Records Action), 'Filter By Fields' (Closed Time, Contact Name, Created By, Created Time, Due Date, Modified By, Modified Time), and 'Assigned To' (Benton, King (Sample), Theola Frey (Sample), Morlong Associates, Feltz Printing Service, Chapman, Simon Morris). The main area displays a list of tasks:

Subject	Due Date	Status	Priority	Related To	Contact
Complete CRM Getting Started steps	Dec 4, 2021	Completed	Highest	Benton	John Butt (Sample)
Register for upcoming CRM Webinars	Dec 4, 2021	Not Started	Low	King (Sample)	Kris Marrier (Sample)
Complete CRM Getting Started steps	Dec 7, 2021	Completed	Normal	Theola Frey (Sample)	
Refer CRM Videos	Dec 6, 2021	In Progress	Normal	Morlong Associates	Mitsue Toll (Sample)
Competitor Comparison Document	Dec 2, 2021	Not Started	Highest	Feltz Printing Service	Capla Paper (Sample)
Get Approval from Manager	Dec 3, 2021	Not Started	Low	Chapman	Simon Morris (Sample)
Get Approval from Manager	Dec 5, 2021	In Progress	Normal		

A modal window titled 'SAMPLE DATA POPULATION' is open, stating: 'Sample data added successfully. To remove sample data, go to "Settings -> Data Administration -> Remove Sample Data".' The bottom status bar shows the date as 12/4/2021.

STEP 8: Click create task and enter details then click save.

The screenshot shows the Zoho CRM 'Create Task' page. The form fields include:

- Task Information**
 - Task Owner: SRIRAM BABU N K
 - Subject: Meeting (highlighted in red with error message: 'Subject cannot be empty')
 - Due Date: Dec 8, 2021
 - Contact: Kris Marrier (Sample)
 - Account: King (Sample)
 - Status: In Progress
 - Priority: High
 - Reminder: Off
 - Repeat: Off
- Smart Chat**: Here is your Smart Chat (Ctrl+Space)

A modal window titled 'SAMPLE DATA POPULATION' is open, stating: 'Sample data added successfully. To remove sample data, go to "Settings -> Data Administration -> Remove Sample Data".' The bottom status bar shows the date as 12/4/2021.

STEP 9: Click meeting option on top. Fill details and click save.

The screenshot shows the Zoho CRM interface. The top navigation bar includes 'Meetings - Zoho CRM', 'Inbox (628) - srirambunk.20m...', and a search bar. The main menu has tabs for CRM, Home, Leads, Contacts, Accounts, Deals, Tasks, Meetings, Calls, Reports, Analytics, Marketplace, and more. A blue 'Create Meeting' button is visible. On the left, a sidebar titled 'Filter Meetings by' contains sections for 'System Defined Filters' (Touched Records, Untouched Records, Record Action, Related Records Action) and 'Filter By Fields' (All day, Check-In By, Check-In City, Check-In Country, Check-In State, Check-In Sub-Locality, Check-In Time). The main area displays a table of meetings with columns for Title, From, To, Related To, Contact Name, and Host. Below the table is a message bar with a link to 'https://crm.zoho.in/crm/org60012090459/tab/Events'. The bottom status bar shows weather (29°C, Light rain), language (ENG IN), and date (12/4/2021).

STEP 10: Click create meeting option on top. Fill details and click save.

This screenshot shows the 'Meeting Information' dialog box in the foreground, overlaid on the main CRM interface. The dialog has a title 'New Meeting' and fields for Location (checkbox for 'Make this an online meeting'), Date (From Dec 4, 2021, 08:00 PM to To Dec 4, 2021, 09:00 PM), Host (SRIRAM BABU N K), Participants (None), and a 'Save' button. In the background, the CRM interface shows a list of meetings and a sidebar with various filters. The bottom status bar is identical to the previous screenshot.

RESULT:

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

EXPERIMENT NO : 04

DATE : 25/09/2021

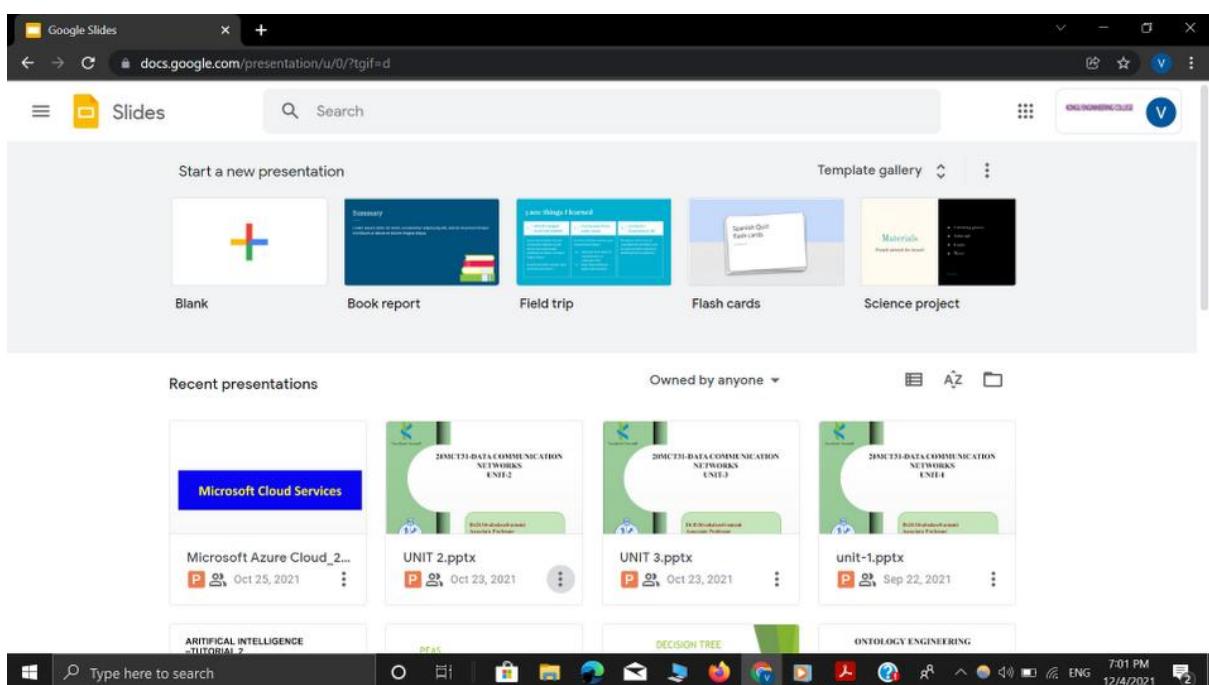
GOOGLE ONLINE SOFTWARE SERVICES

AIM

To implement the online office system in google cloud software.

ALGORITHM

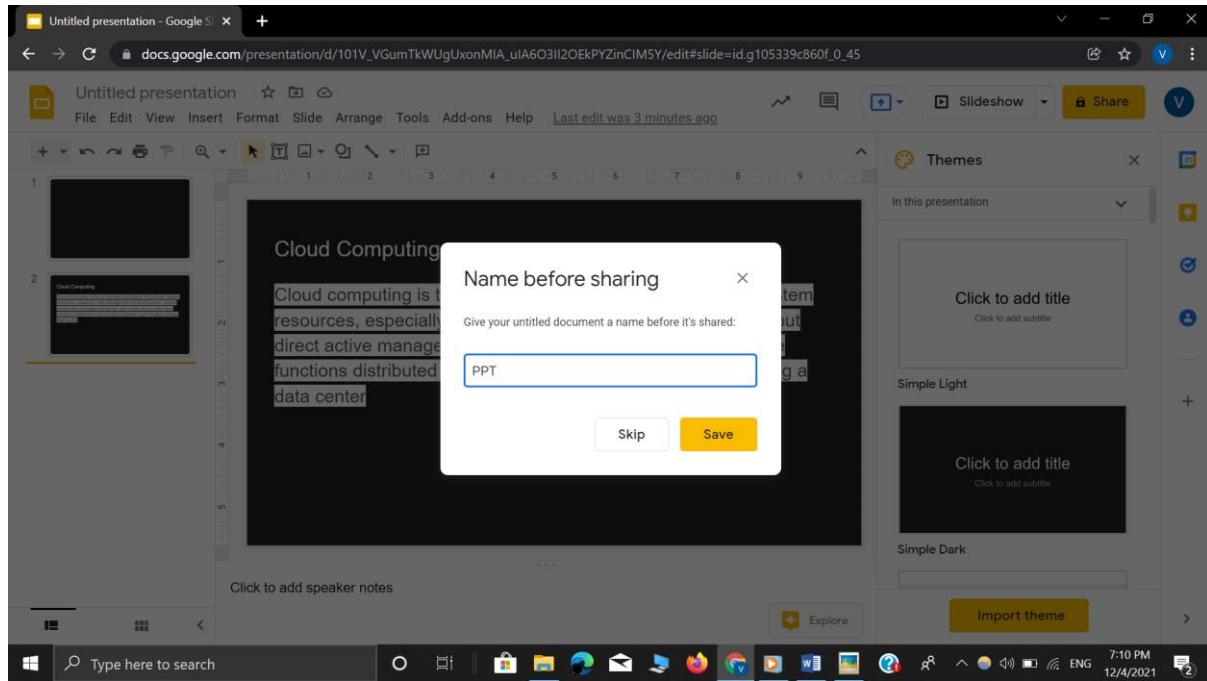
STEP 1: Open the google slides



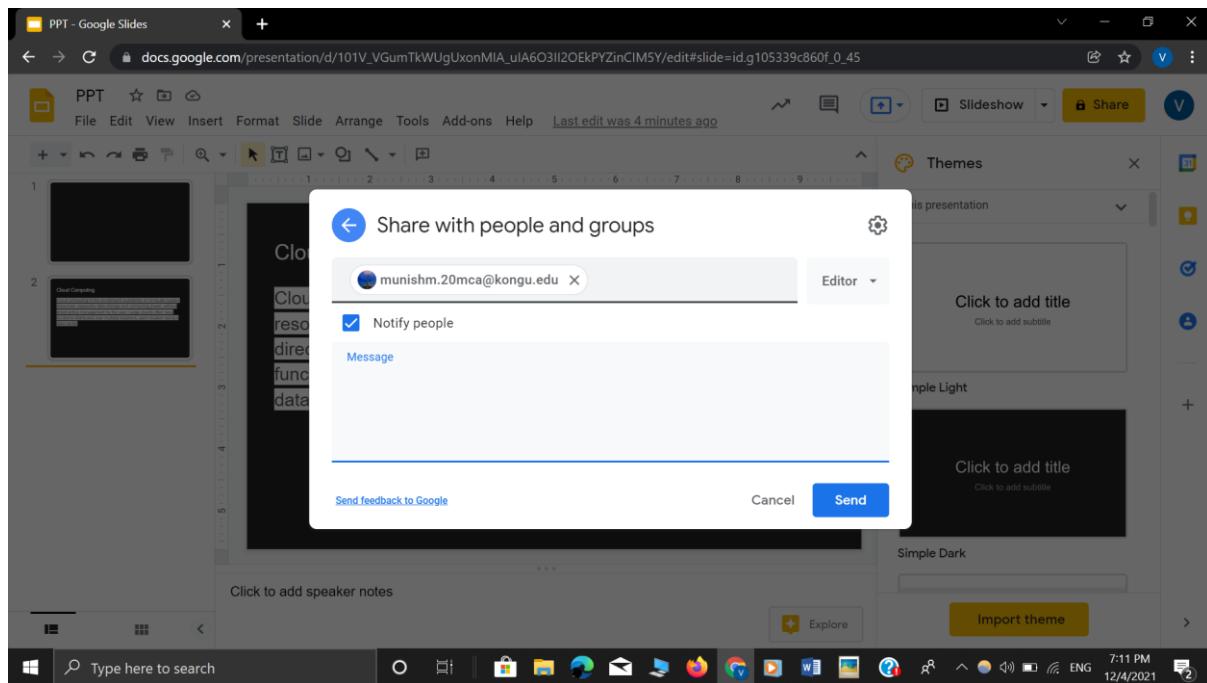
STEP 2: Create the slides with the content

A screenshot of a Google Slides presentation titled 'Untitled presentation'. The main slide has the title 'Cloud Computing' and contains the following text: 'Cloud computing is the on-demand availability of computer system resources, especially data storage and computing power, without direct active management by the user. Large clouds often have functions distributed over multiple locations, each location being a data center'. Below the slide is a note area with the placeholder 'Click to add speaker notes'. To the right of the slide, there is a 'Themes' sidebar showing two theme options: 'Simple Light' and 'Simple Dark', both with the sub-instruction 'Click to add title Click to add subtitle'. At the bottom of the slide, there is a toolbar with icons for 'Explore' and 'Import theme'. The bottom of the screen shows a Windows taskbar with various icons and a system tray indicating the date and time as 12/4/2021 at 7:08 PM.

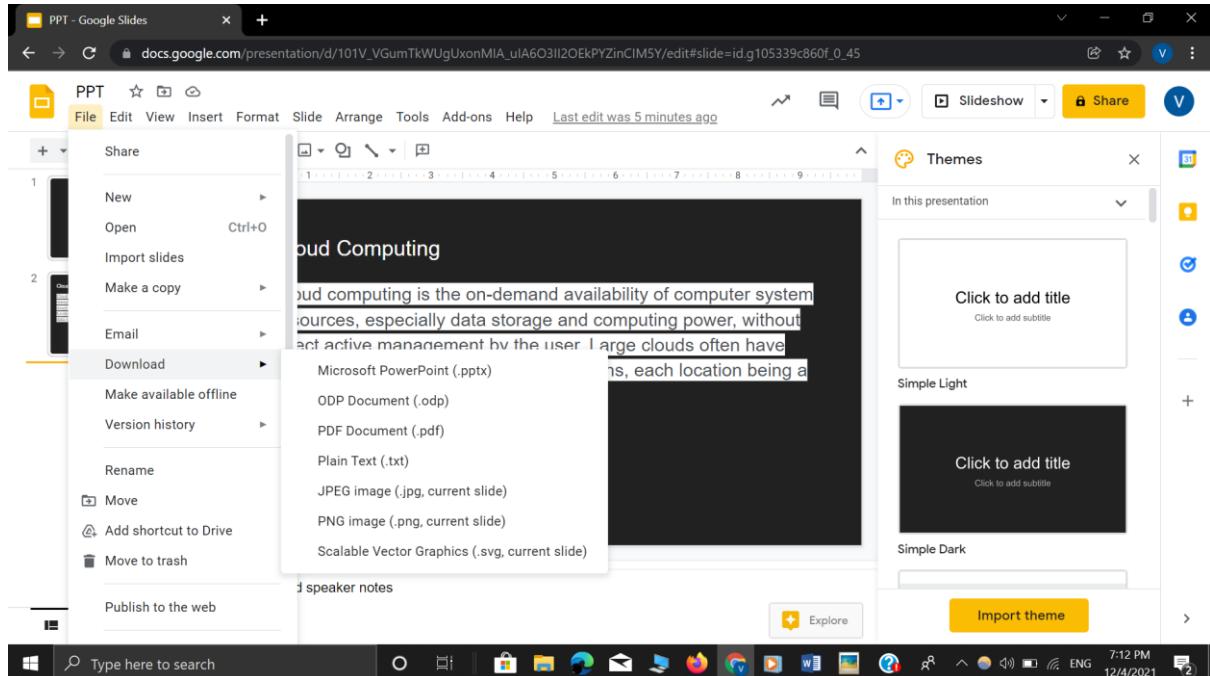
STEP 3: Share the documents to the others (Gmail).



STEP 4: The changes made by others in the documents can also be reflected and download



STEP 5: Finally, the document can also be downloaded also.



RESULT:

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

EXPERIMENT NO : 05

DATE : 30/09/2021

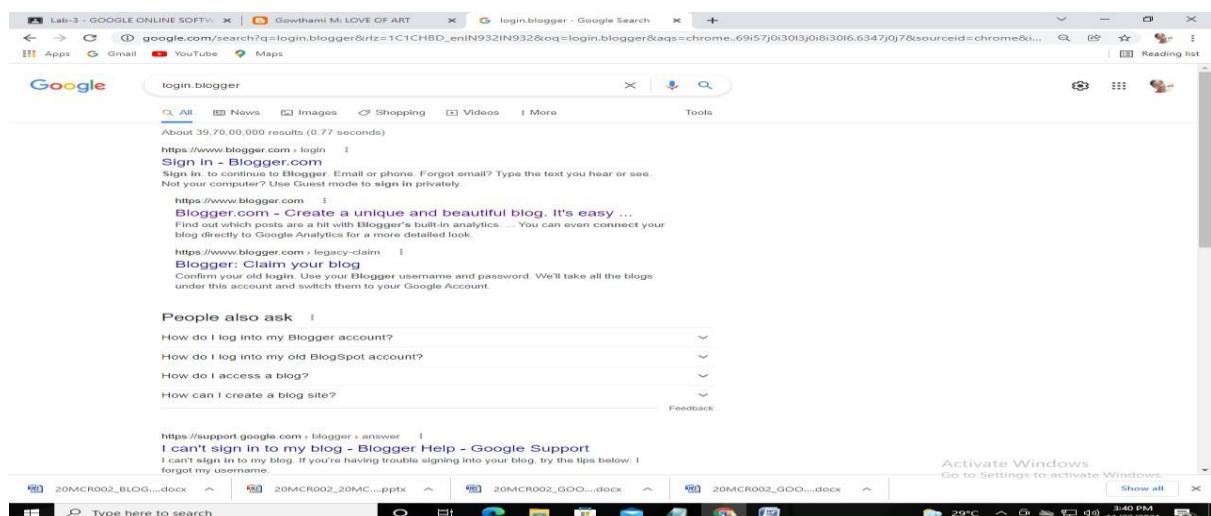
BLOG CREATION

AIM:

To create a blog and publish then content.

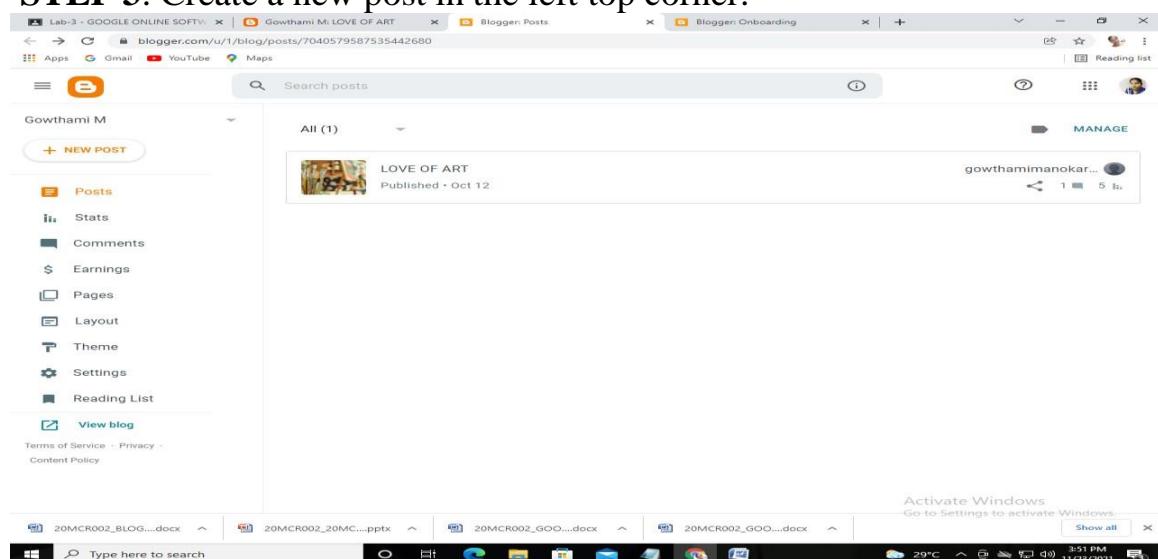
ALGORITHM:

STEP 1: Open the browser and type login.blogger.com.

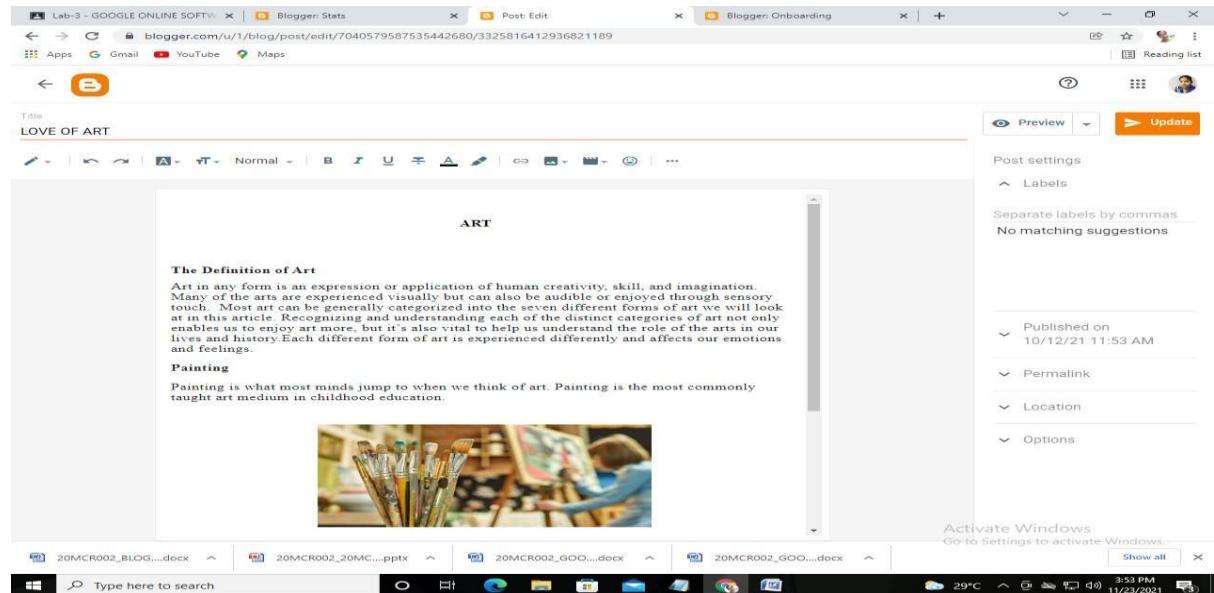


STEP 2: Make sign into the website.

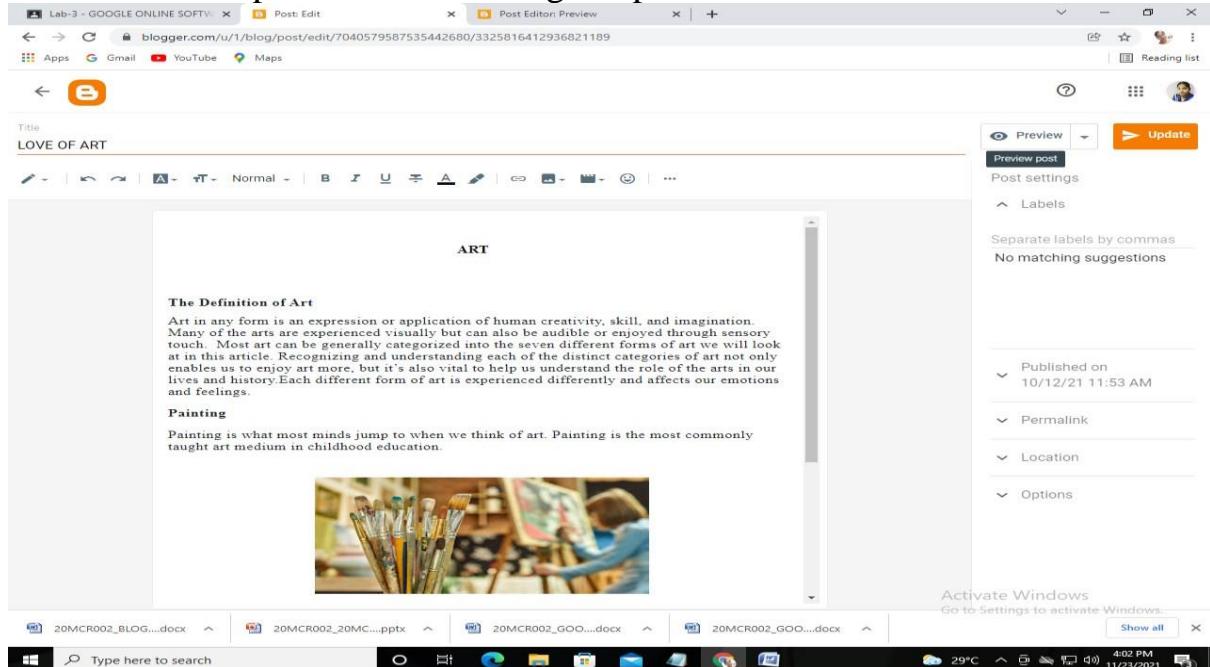
STEP 3: Create a new post in the left top corner.



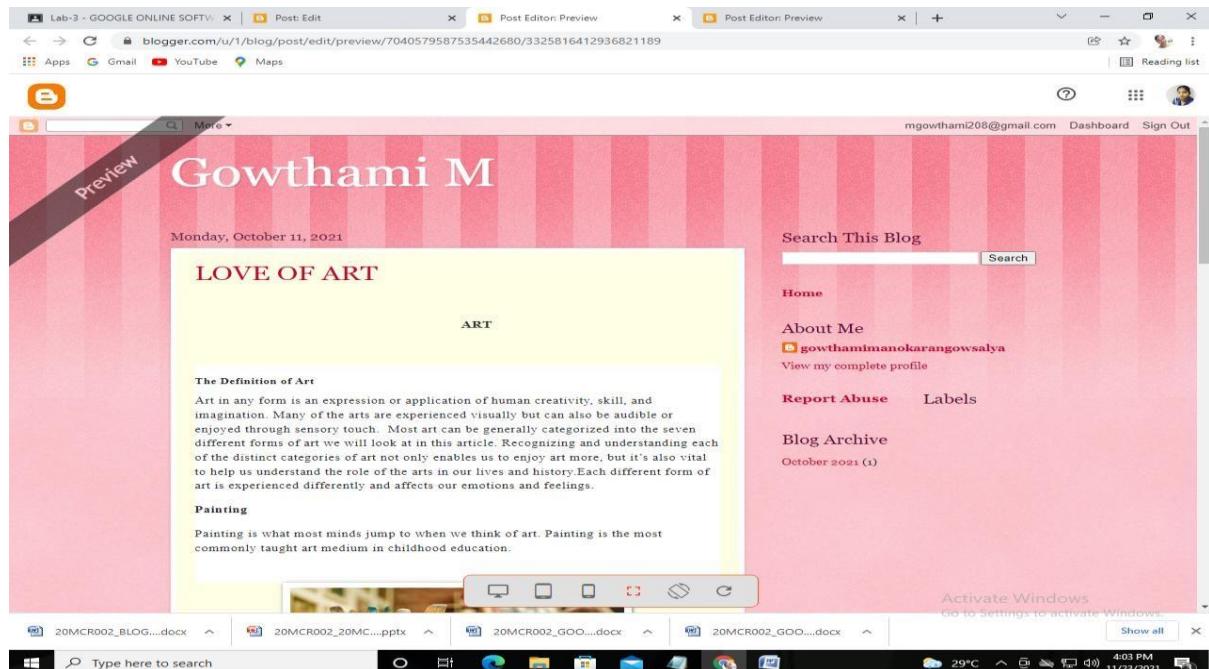
STEP 4: Create own content.



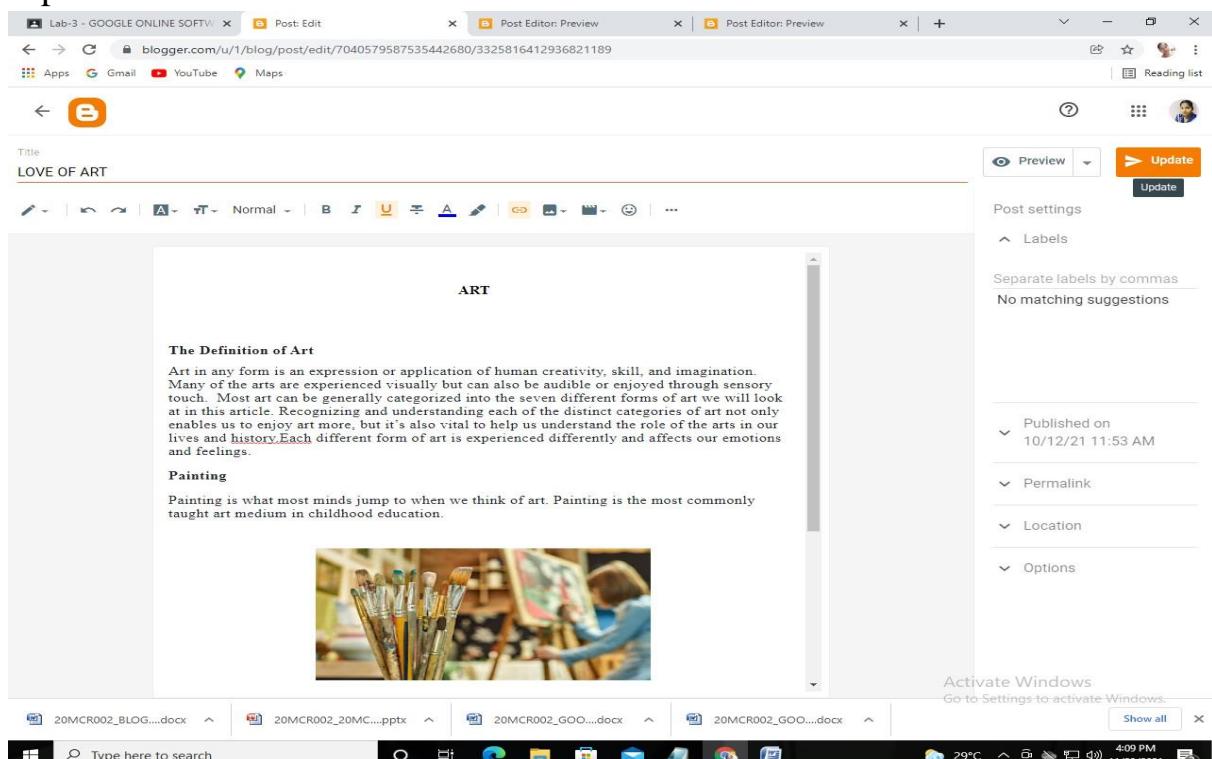
STEP 5: Click preview button in right top corner.



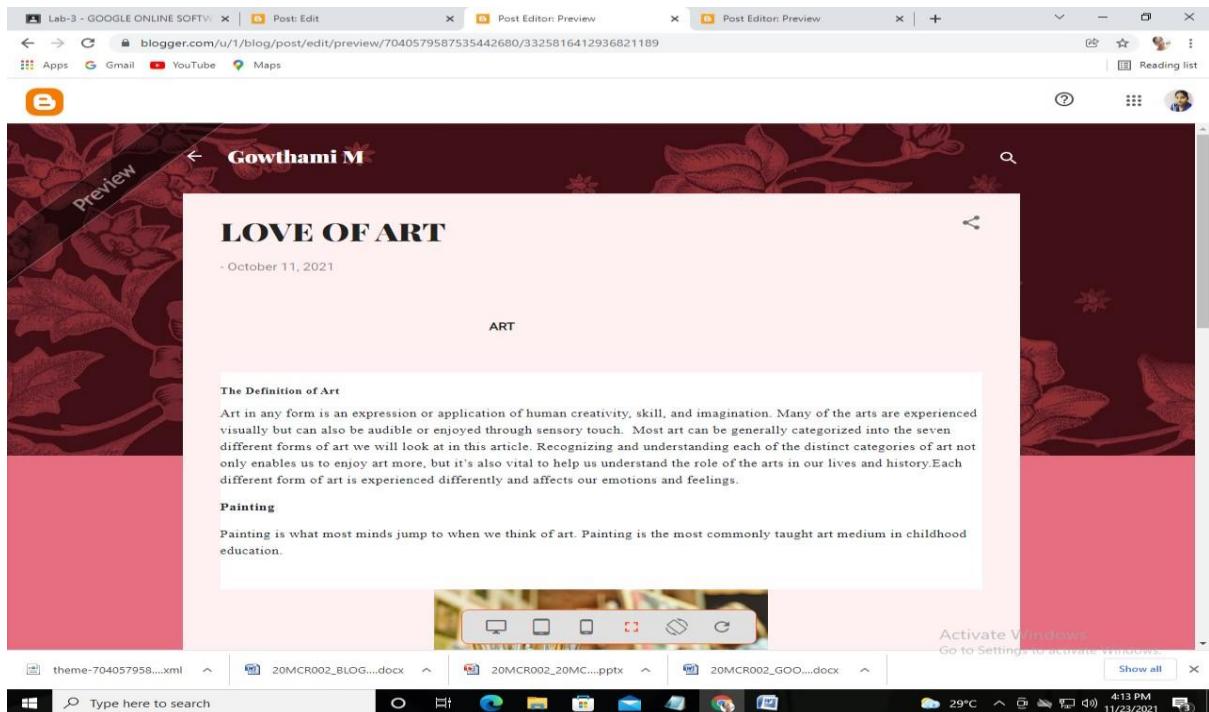
STEP 6: Preview of the content will be displayed.



STEP 7: Click the publish button the content created will be published or update.



STEP 8: The changes of the theme for the content are available in the left side of the webpage. The content published can be edit at any time.



RESULT:

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

EXPERIMENT NO : 06

DATE : 07/10/2021

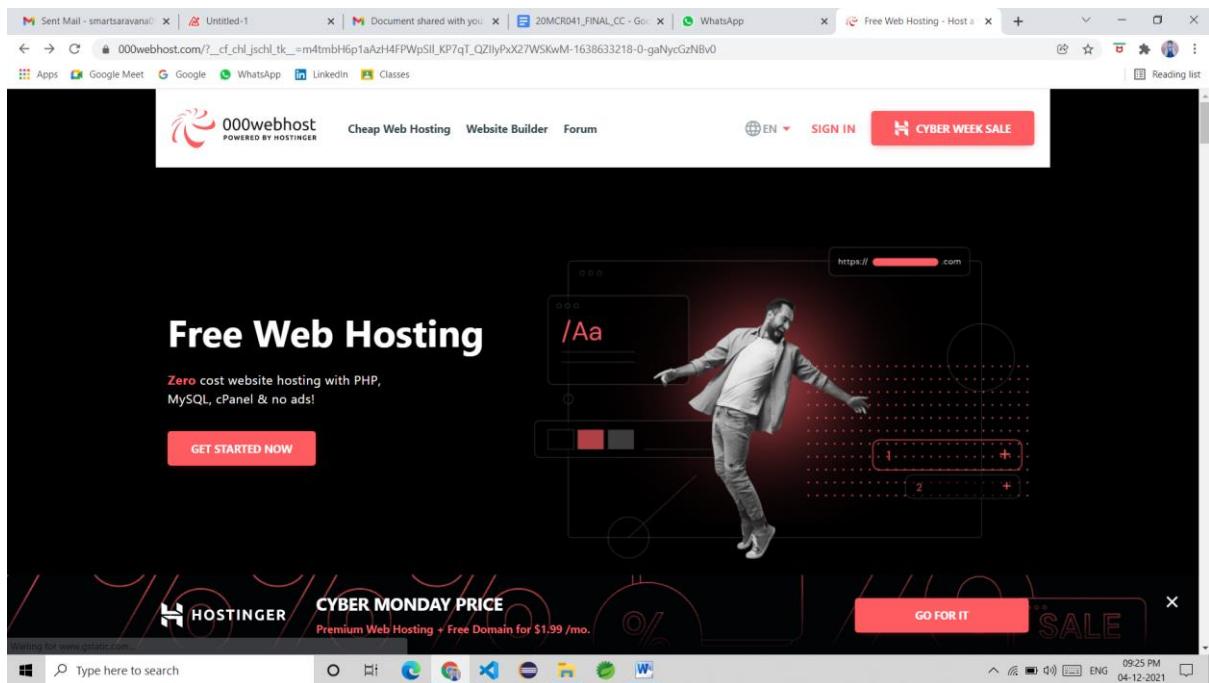
WEB APPLICATION DEPLOYMENT IN 000WEBHOST CLOUD PLATFORM

AIM:

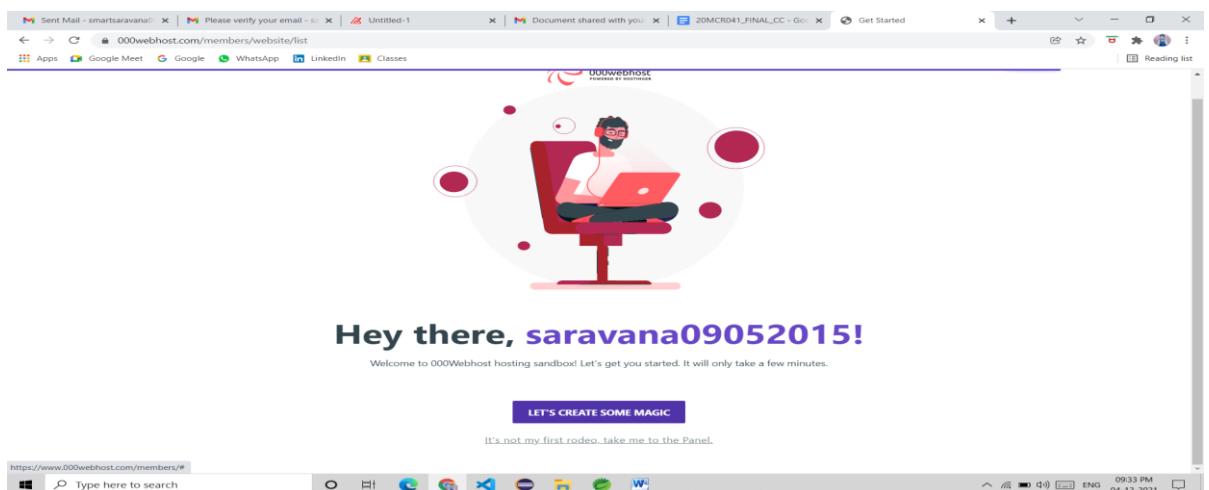
To create a website and host in 000webhost.

ALGORITHM:

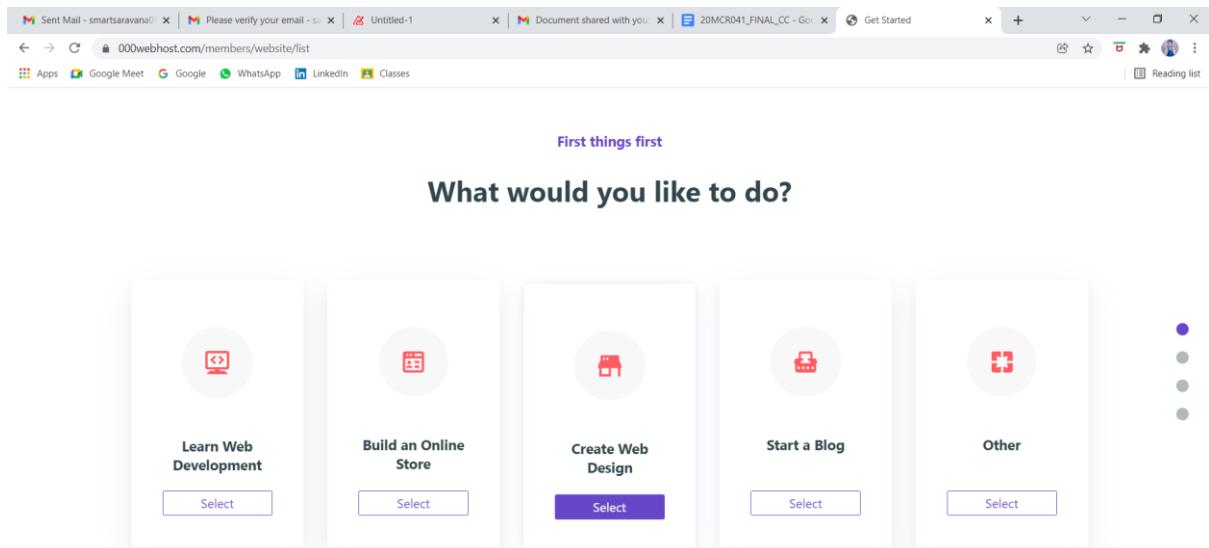
STEP 1: Open the URL in 000webhost.



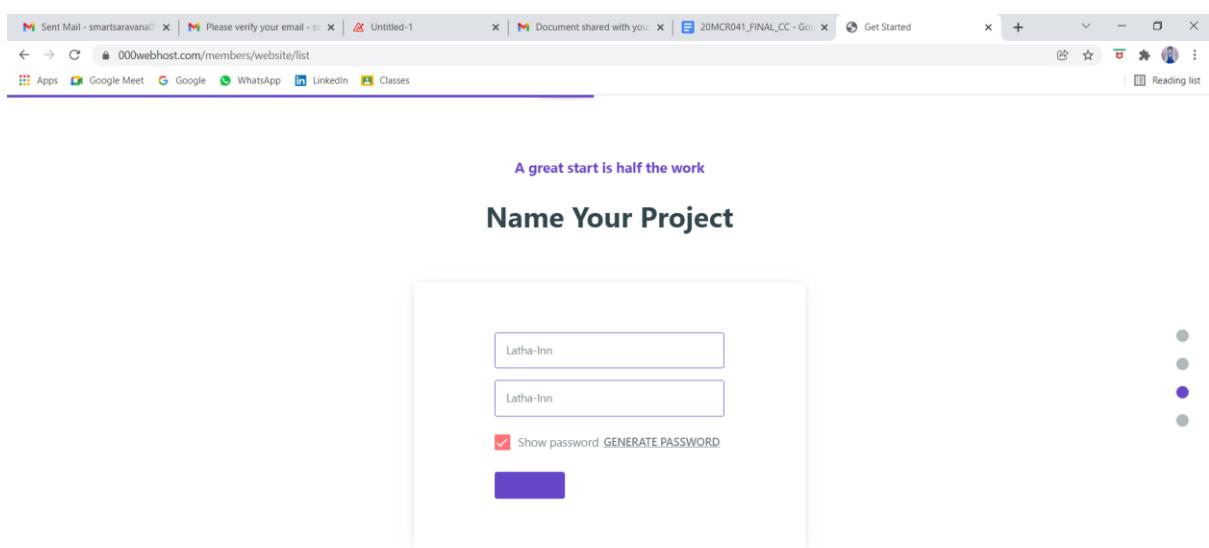
STEP 2: Make sign-in to the website.



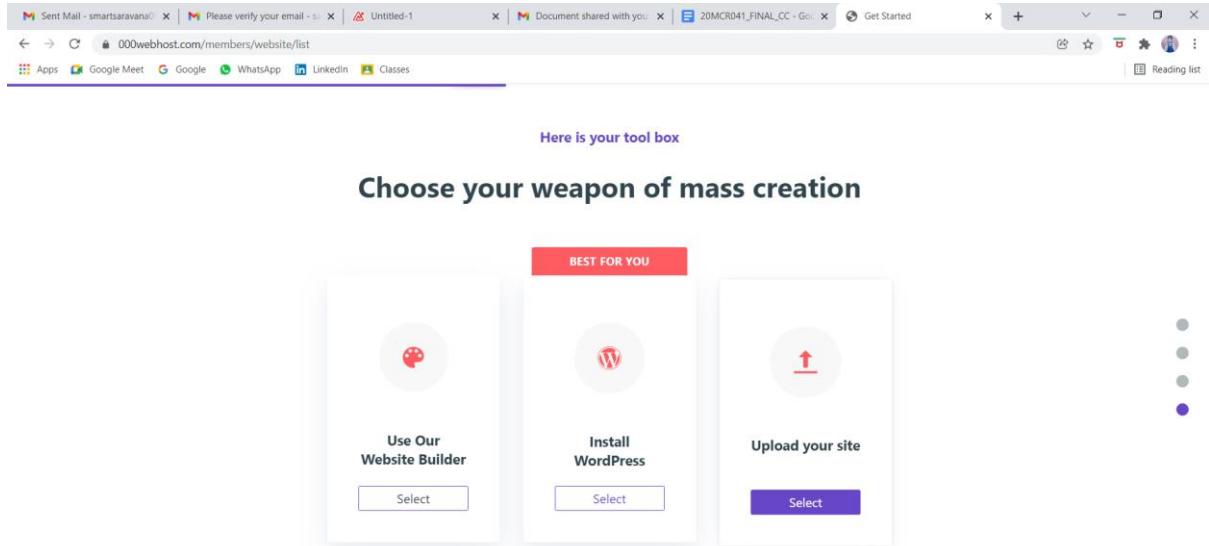
STEP 3: Click web design.



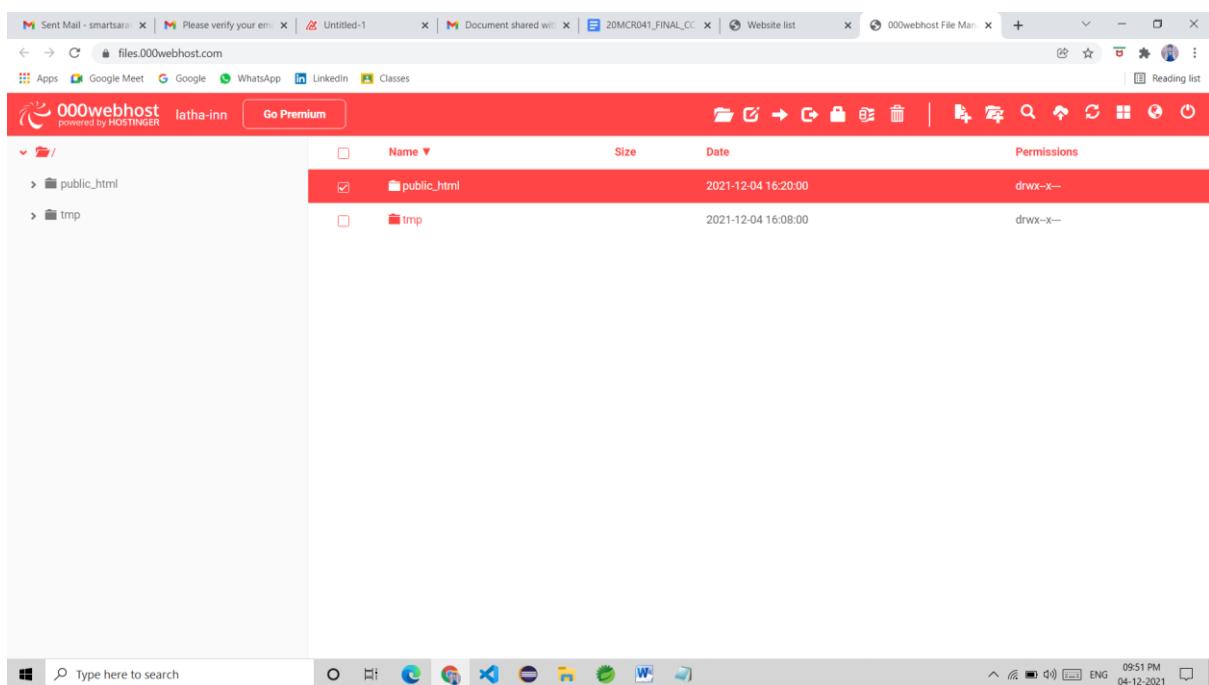
STEP 4: Click the website name and give password for our website.



STEP 5: Then, Click upload your file.



STEP 6: Click public.html



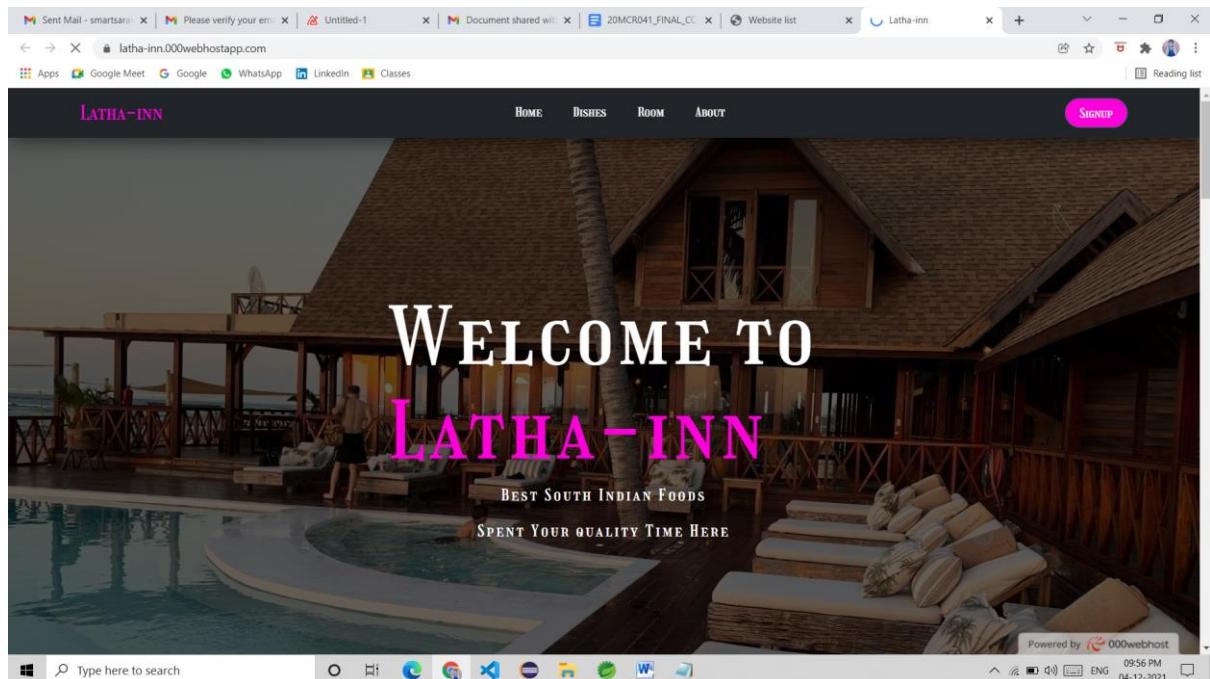
STEP 7: Create one file as .html

The screenshot shows the 000webhost File Manager interface. The left sidebar shows a tree view with 'public_html' expanded, revealing sub-directories like '.htaccess', 'chapathi.jpg', 'curd.jpg', 'dosai.jpg', 'idly.jpg', 'img1.jpg', 'img2.jpg', 'img4.jpg', 'img5.jpg', 'img6.jpg', 'img7.jpg', 'img8 (1).jpg', 'img8 (2).jpg', and 'index.html'. The main area displays a table of files with columns for Name, Size, Date, and Permissions. The permissions for most files are listed as '-rw-r--r--'. The bottom status bar shows the search bar 'Type here to search', taskbar icons, and system information including the date '04-12-2021' and time '09:52 PM'.

STEP 8: After uploaded the link displayed in home page.

The screenshot shows the 000webhost 'My Websites' page. It features a header with 'My Sites', 'Power Store', 'Help', 'Upgrade', and a user profile 'saravana09052015'. Below the header, there's a 'Create New Site' button. The main content area displays three cards: 1) A preview of the website 'latha-inn' with a status of 'running' and a link 'https://latha-inn.000webhostapp.com/'. 2) An advertisement for 'HOSTINGER CYBER MONDAY PRICE' with a price of '\$1.99/mo' and a 'GO FOR IT' button. 3) An advertisement for 'zyro CYBER MONDAY SALE: UP TO 85% OFF' with a timer showing '01 : 11 : 03 : 26' and a 'GET THE OFFER' button. The bottom status bar shows the search bar 'Type here to search', taskbar icons, and system information including the date '04-12-2021' and time '09:56 PM'.

STEP 9: Click that link, our website will be opened in new tab.



RESULT:

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

EXPERIMENT NO : 07

DATE : 21/10/2021

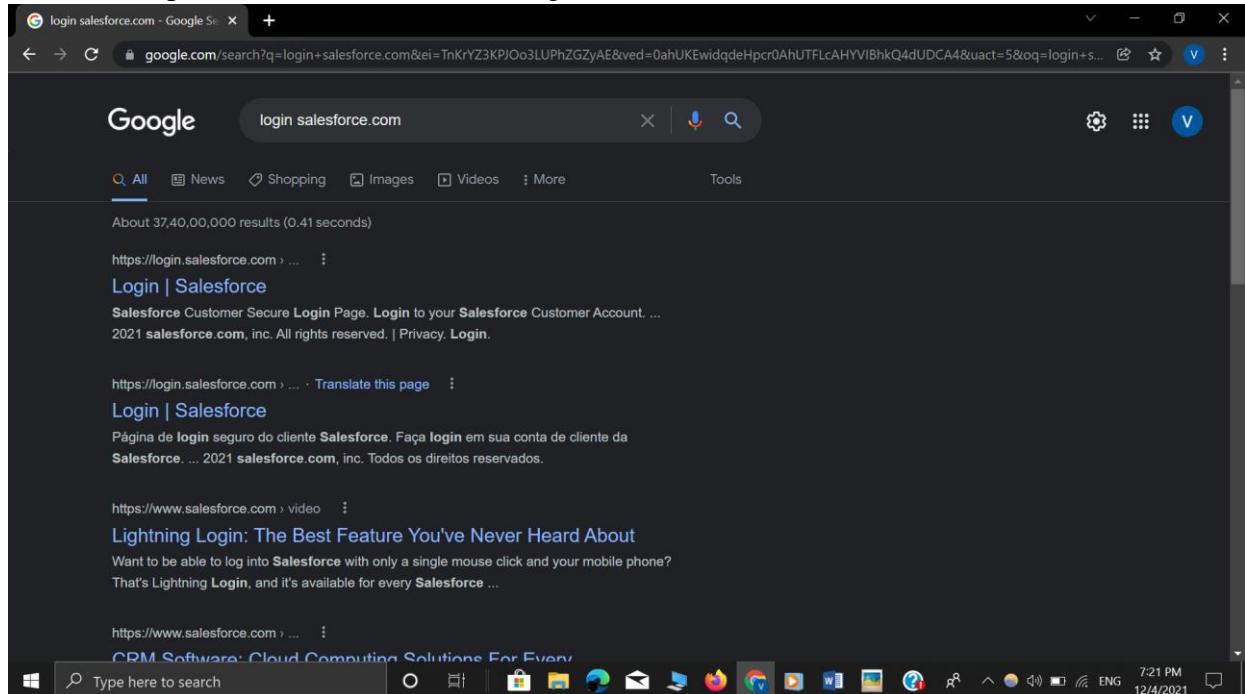
CRM MANAGEMENT USING SALESFORCE CLOUD PLATFORM

AIM:

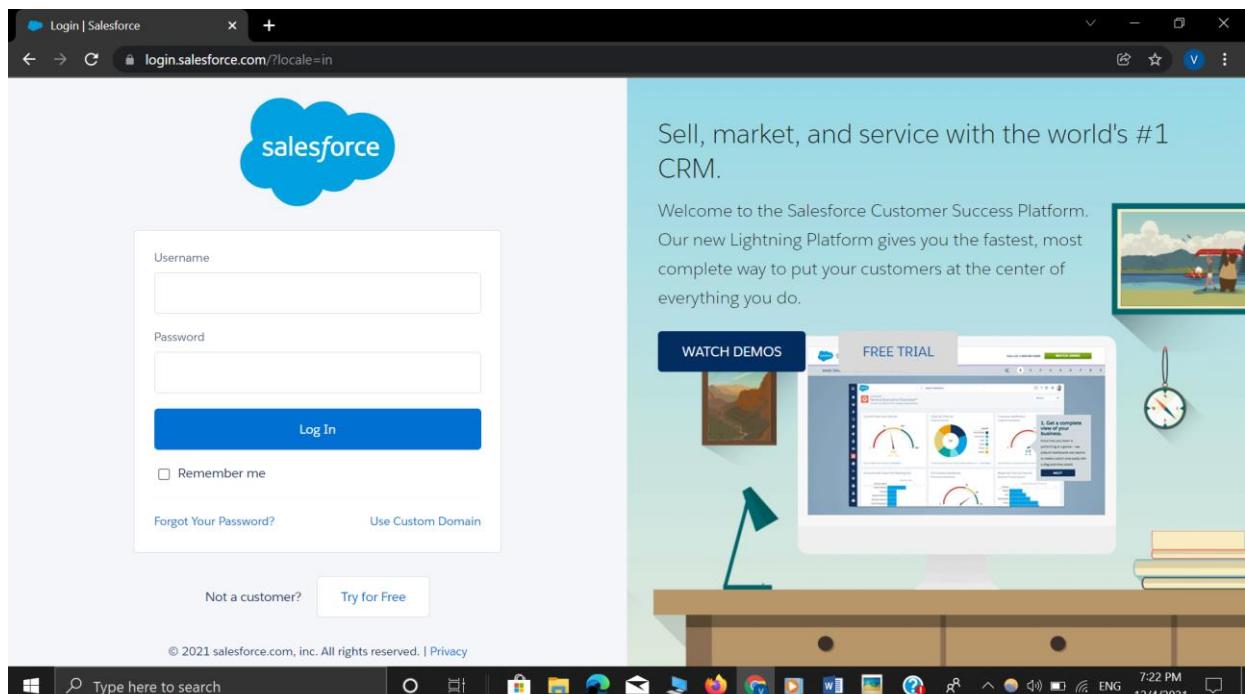
To create a Customer Relationship Management System(CRM) using Salesforce.com portal.

ALGORITHM:

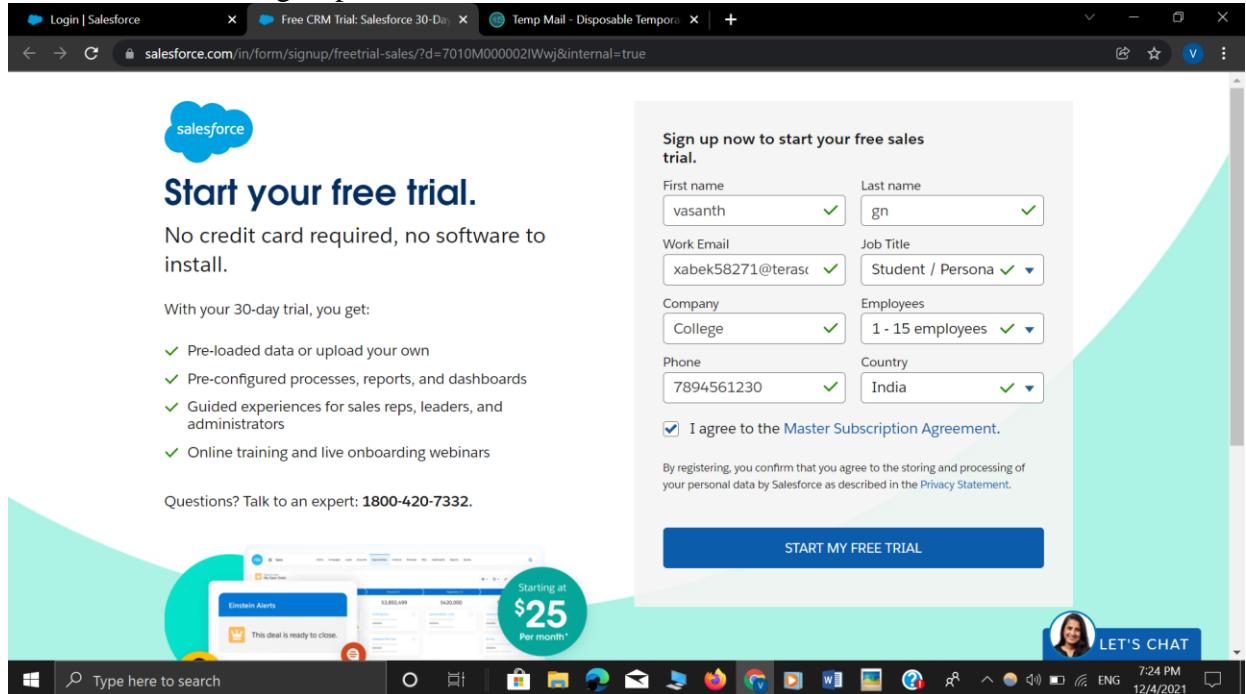
STEP 1: Open the browser and search login Salesforce.com.



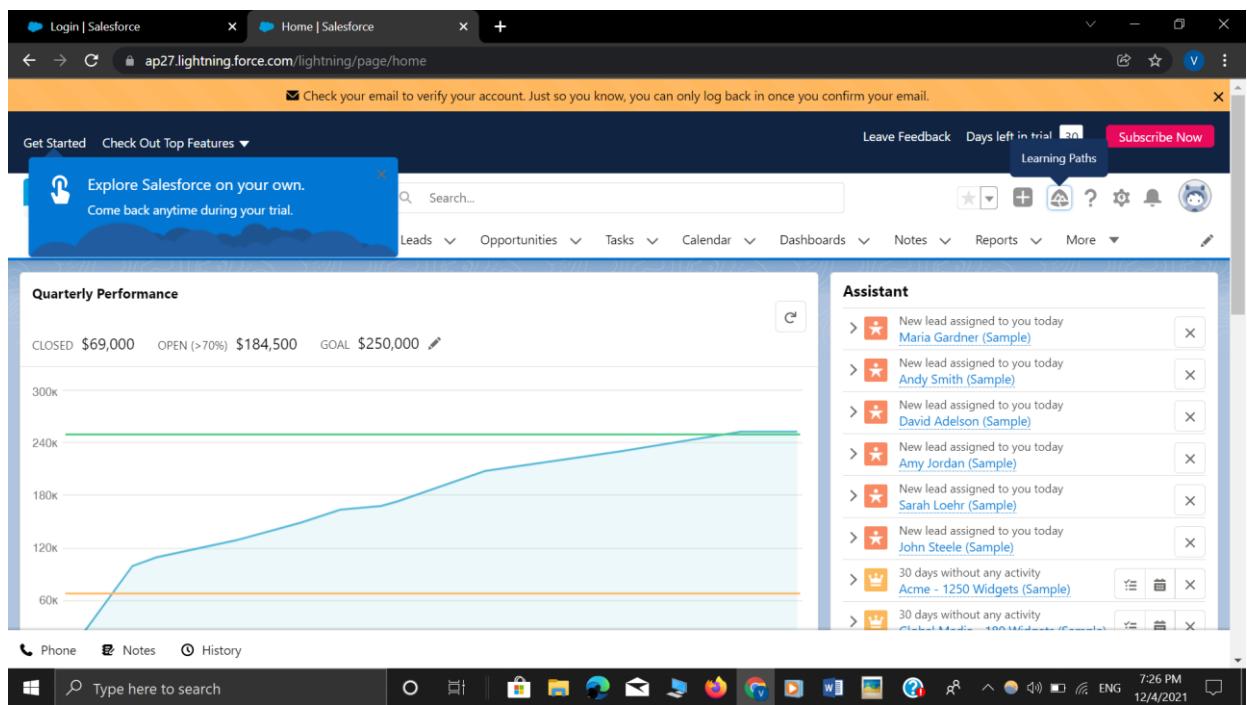
STEP 2: Click the button try for free.



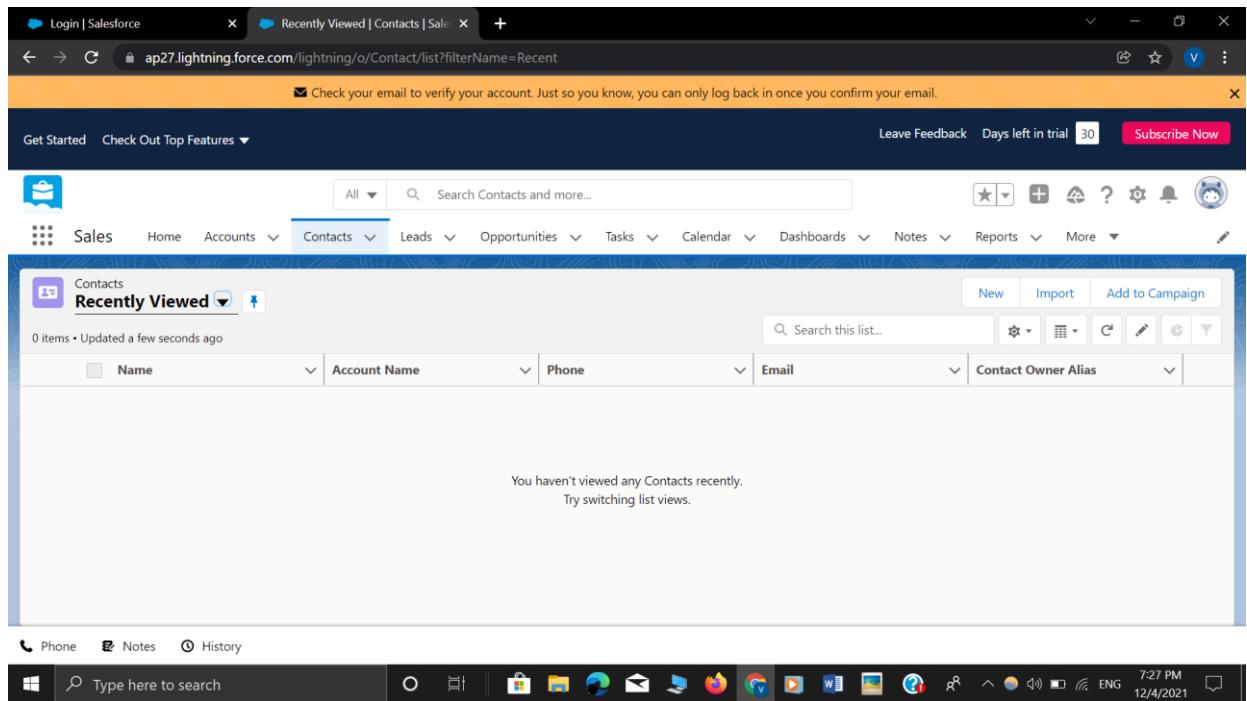
STEP 3: Fill the all sign-up details.



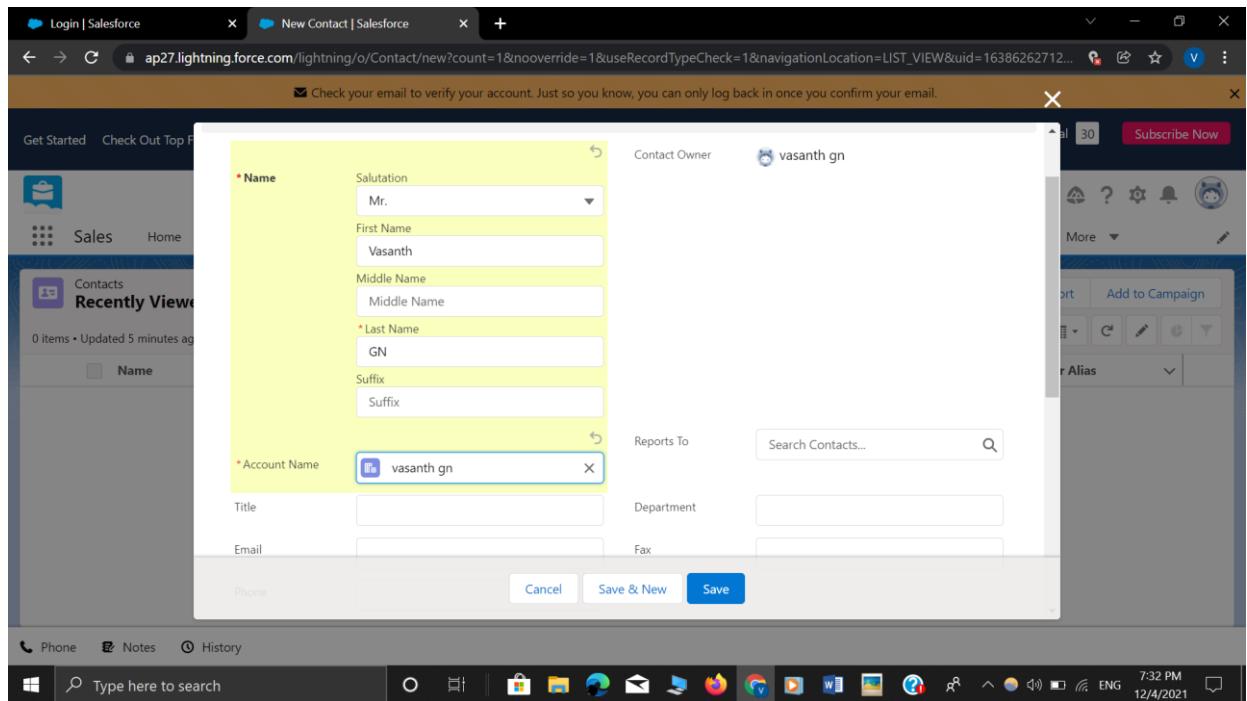
STEP 4: Next, it enters into new window in that, click the contents.



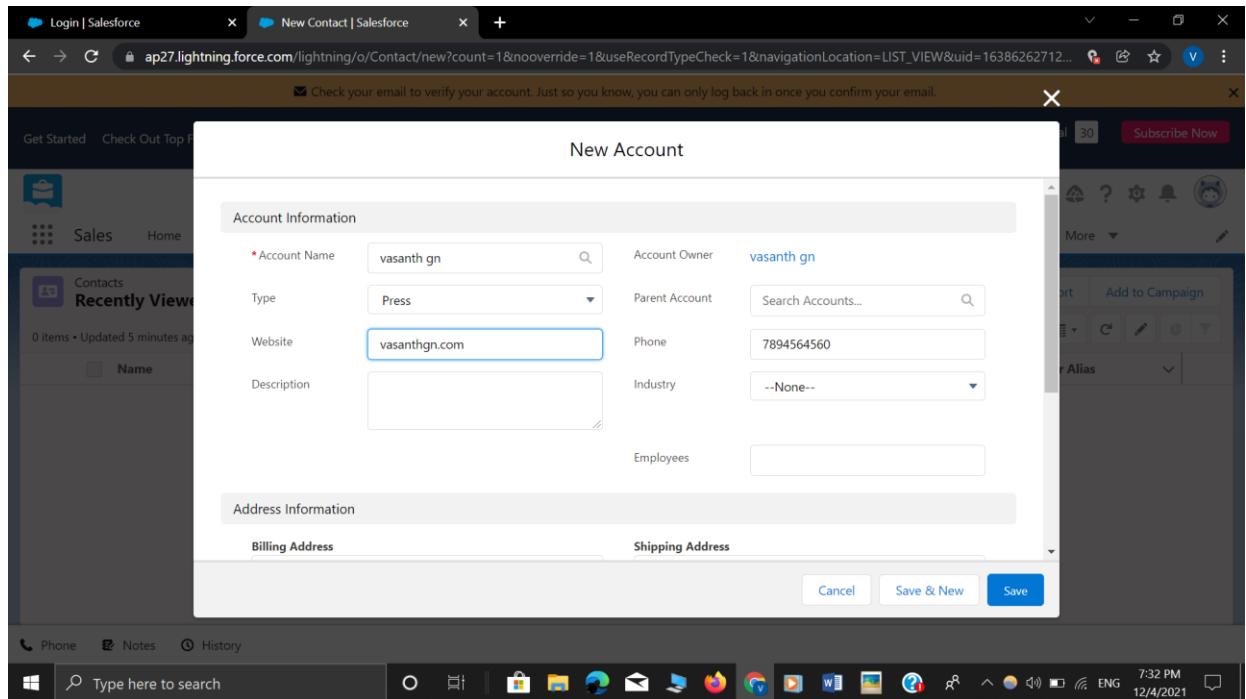
STEP 5: From the contact, click new.



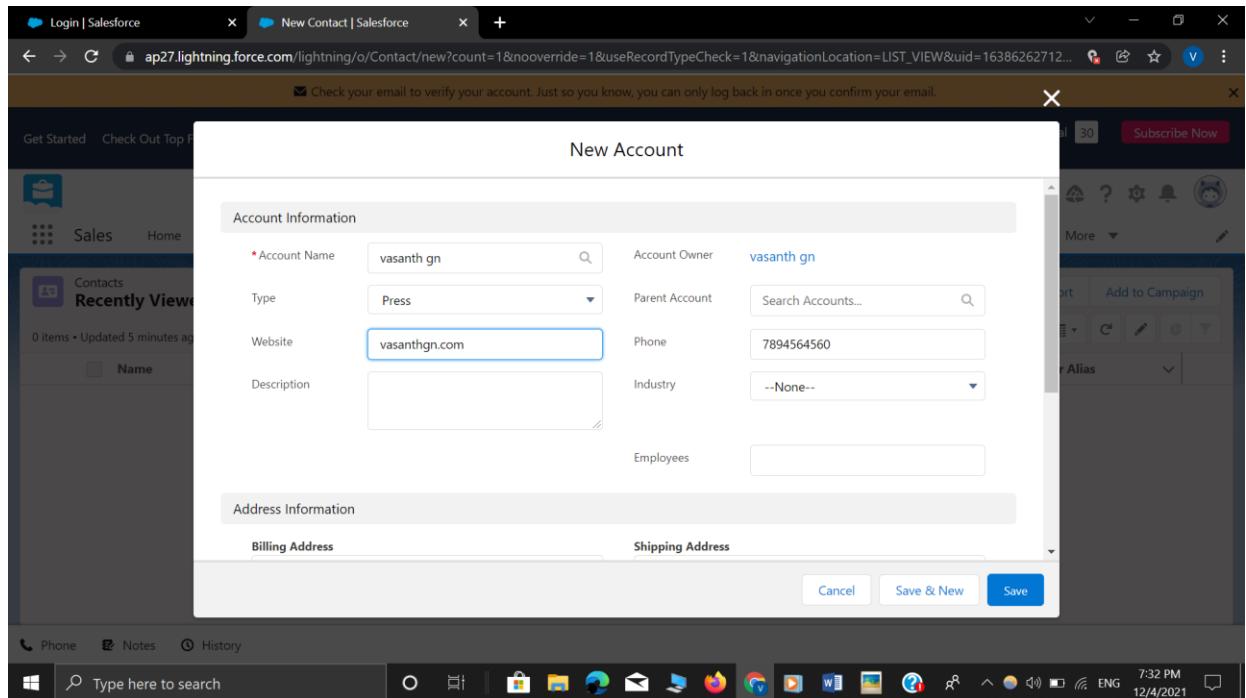
STEP 6: One dialog box pops up and enter the contact details.



STEP 7: Choose new account.



STEP 8: Fill the account details.



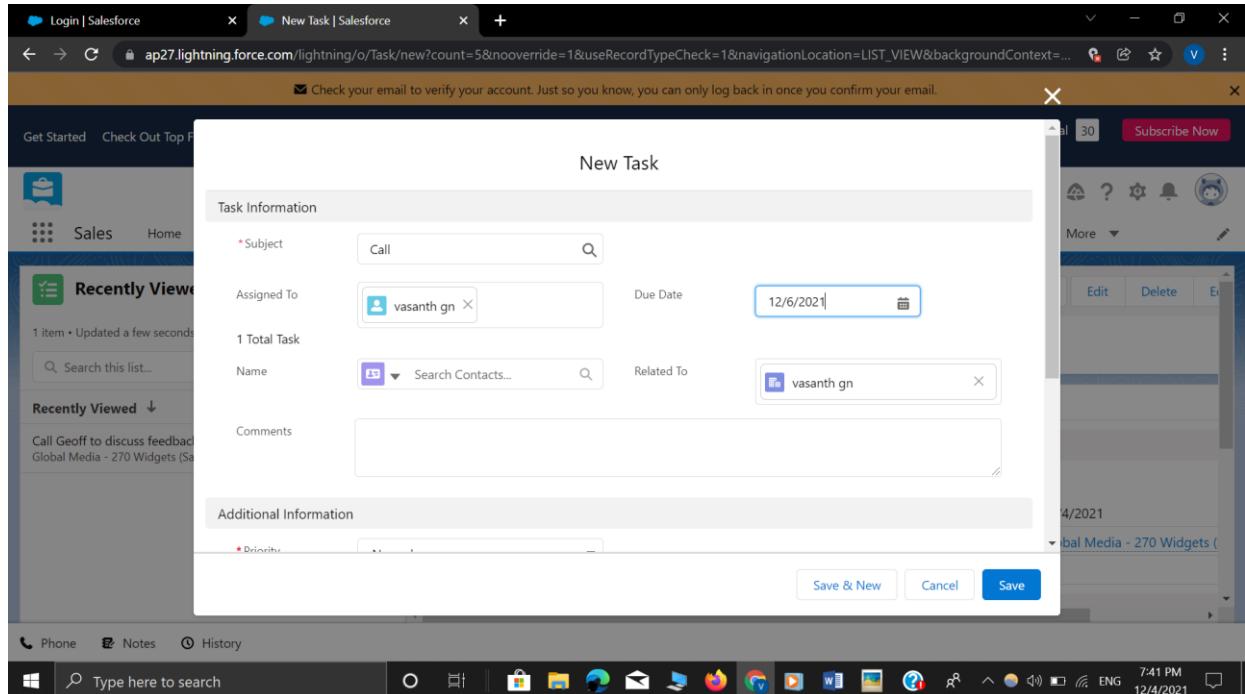
STEP 9: The account will be created.

The screenshot shows the Salesforce Lightning interface. The top navigation bar has tabs for 'Login | Salesforce' and 'Vasanth GN | Salesforce'. A message bar at the top says 'Check your email to verify your account. Just so you know, you can only log back in once you confirm your email.' Below the bar, there are links for 'Get Started' and 'Check Out Top Features'. On the right, there are buttons for 'Leave Feedback', 'Days left in trial' (30), and 'Subscribe Now'. The main content area shows a contact record for 'Mr. Vasanth GN'. The contact details are: Title (Blank), Account Name (Blank), Phone (2), Email (vasanth gn), and Contact Owner (vasanth gn). The 'Related' tab is selected, showing 'We found no potential duplicates of this Contact.' Below this, there are 'Related List Quick Links' for Opportunities (0), Related Accounts (1), Files (0), and Notes (0). The 'Activity' tab is also visible, with buttons for 'Log a Call', 'New Task', and 'New Event'. The status bar at the bottom shows it's 7:35 PM on 12/4/2021.

STEP 10: Click the calendar and give the event details.

The screenshot shows the Salesforce Lightning interface. The top navigation bar has tabs for 'Login | Salesforce' and 'New Event | Salesforce'. A message bar at the top says 'Check your email to verify your account. Just so you know, you can only log back in once you confirm your email.' Below the bar, there are links for 'Get Started' and 'Check Out Top Features'. On the right, there are buttons for 'Leave Feedback', 'Days left in trial' (30), and 'Subscribe Now'. The main content area shows a new event creation form. The event details are: Subject (Online Class), Assigned To (vasanth gn), Location (College), Start Date (Dec 4, 2021), Start Time (7:00 AM), End Date (Dec 4, 2021), End Time (8:00 AM), Type (Meeting), and Description (Blank). The calendar sidebar shows November 28, 2021, with the date Dec 4, 2021, highlighted. The status bar at the bottom shows it's 7:38 PM on 12/4/2021.

STEP 11: Click the lead and give the new task.



RESULT:

CRM management using sales force in cloud platform has been created successfully.

EXPERIMENT NO : 08

DATE : 28/10/2021

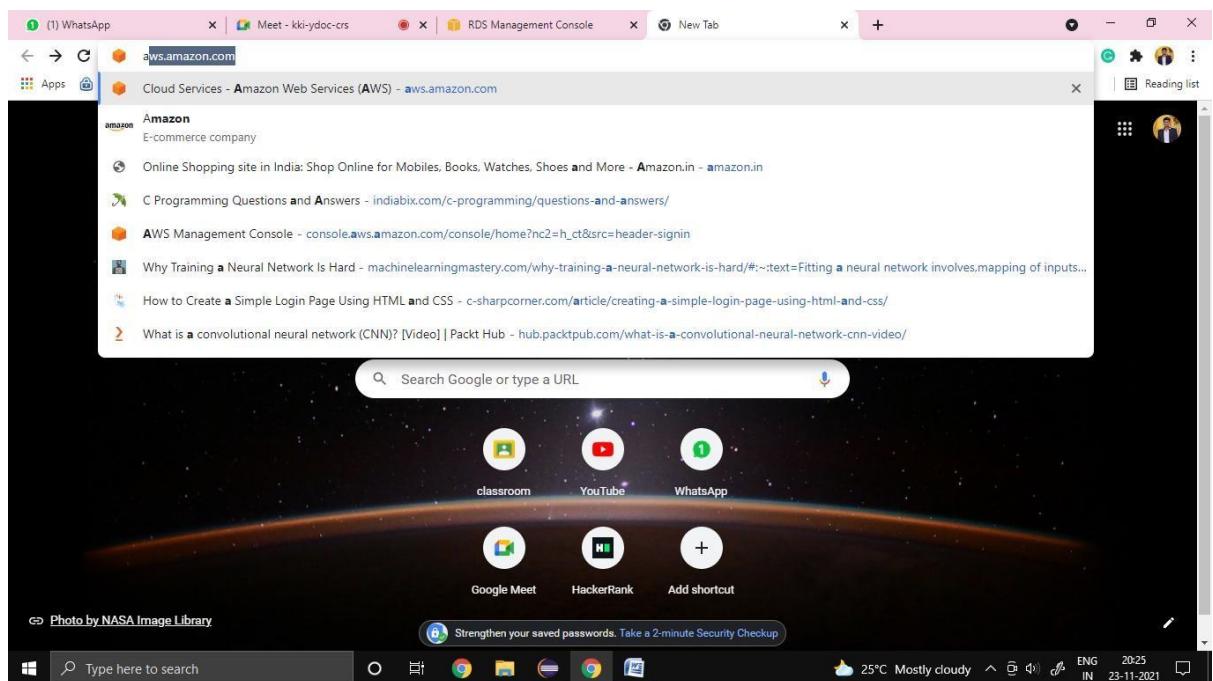
WORKING WITH AWS RDS INSTANCE

AIM:

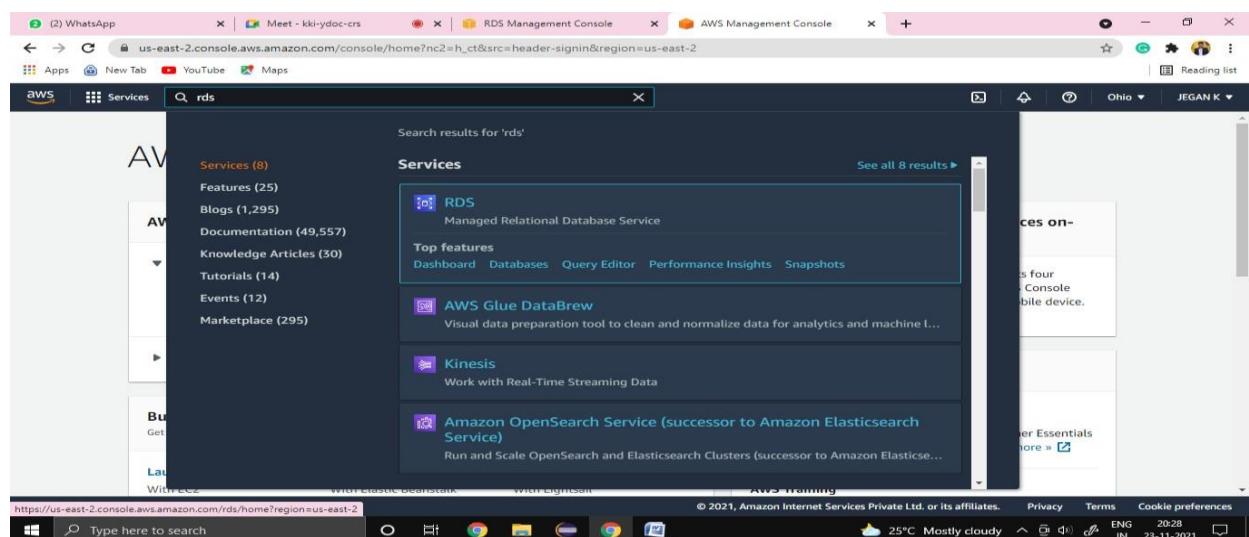
To launch RDS Instance in AWS Platform

ALGORITHM:

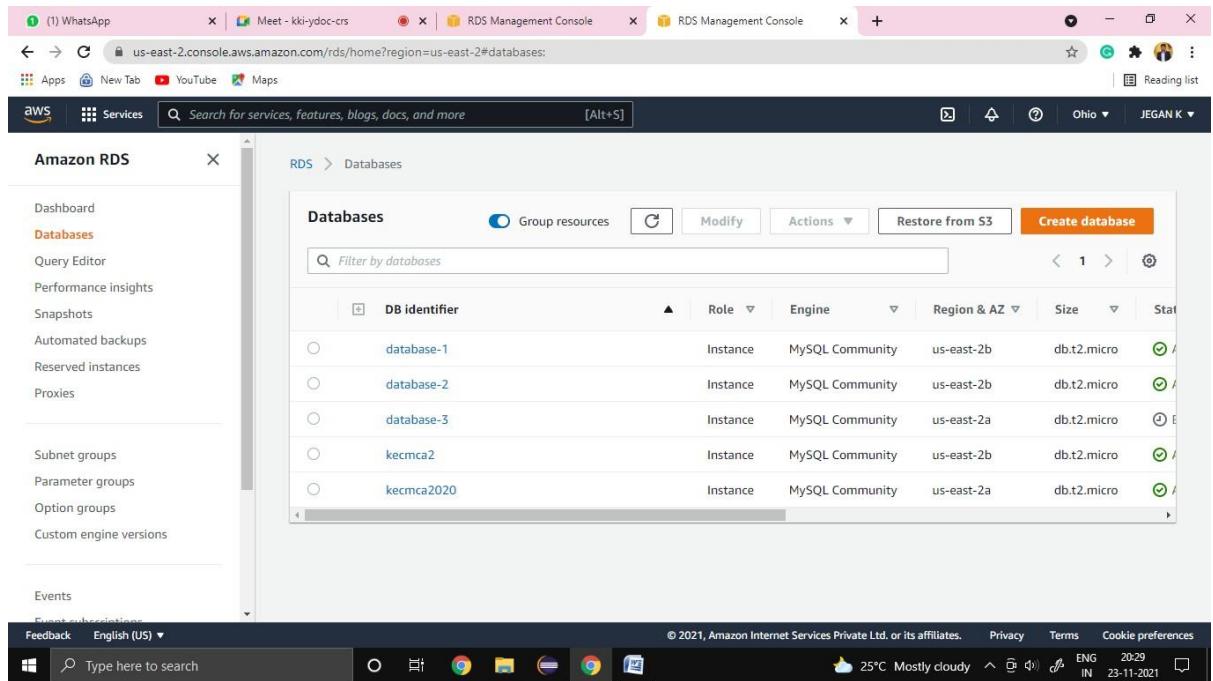
STEP 1: Open the browser and search AWS.



STEP 2: From Search windows, type RDS.



STEP 3: Create Database.

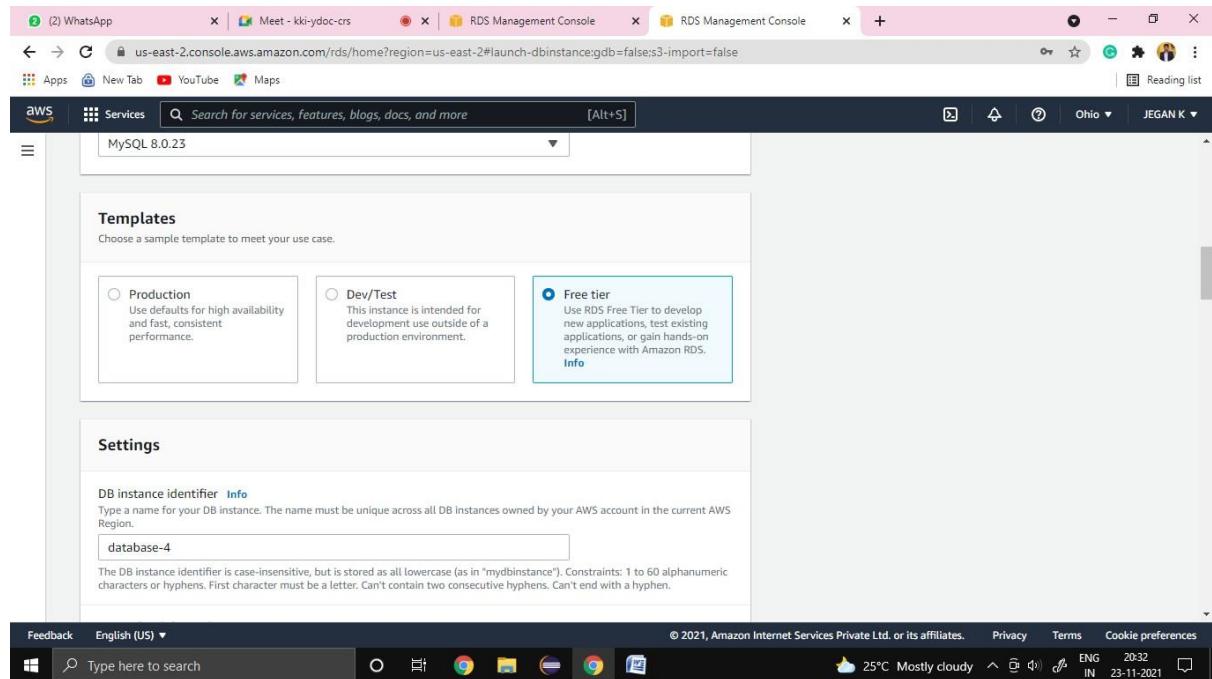


The screenshot shows the AWS RDS Management Console with the 'Databases' tab selected. On the left, a sidebar lists various options like Dashboard, Databases, Query Editor, etc. The main area displays a table of databases:

DB identifier	Role	Engine	Region & AZ	Size	Status
database-1	Instance	MySQL Community	us-east-2b	db.t2.micro	Green
database-2	Instance	MySQL Community	us-east-2b	db.t2.micro	Green
database-3	Instance	MySQL Community	us-east-2a	db.t2.micro	Green
kecmca2	Instance	MySQL Community	us-east-2b	db.t2.micro	Green
kecmca2020	Instance	MySQL Community	us-east-2a	db.t2.micro	Green

STEP 4: Select MYSQL from engine option as the MYSQL software.

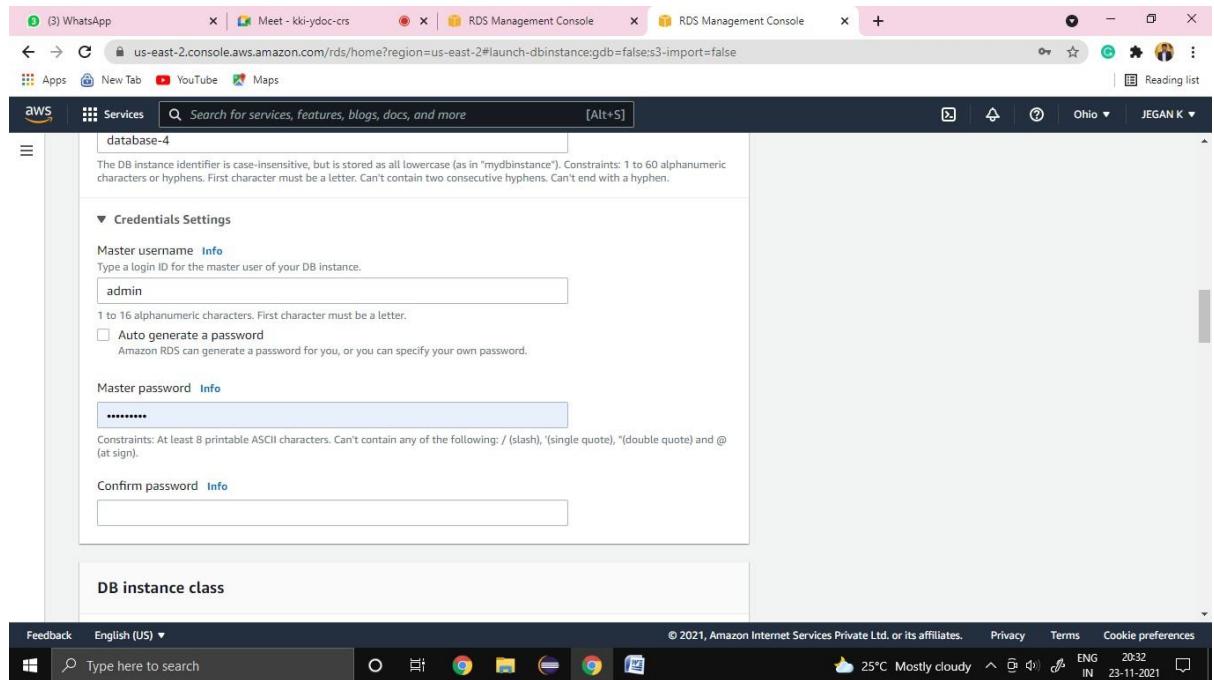
STEP 5: From template, Select free tier.



The screenshot shows the AWS RDS Management Console for creating a new database instance. In the 'Templates' section, the 'Free tier' option is selected. The 'Settings' section includes a field for the DB instance identifier set to 'database-4'.

STEP 6: From setting given name for DB instance identifier.

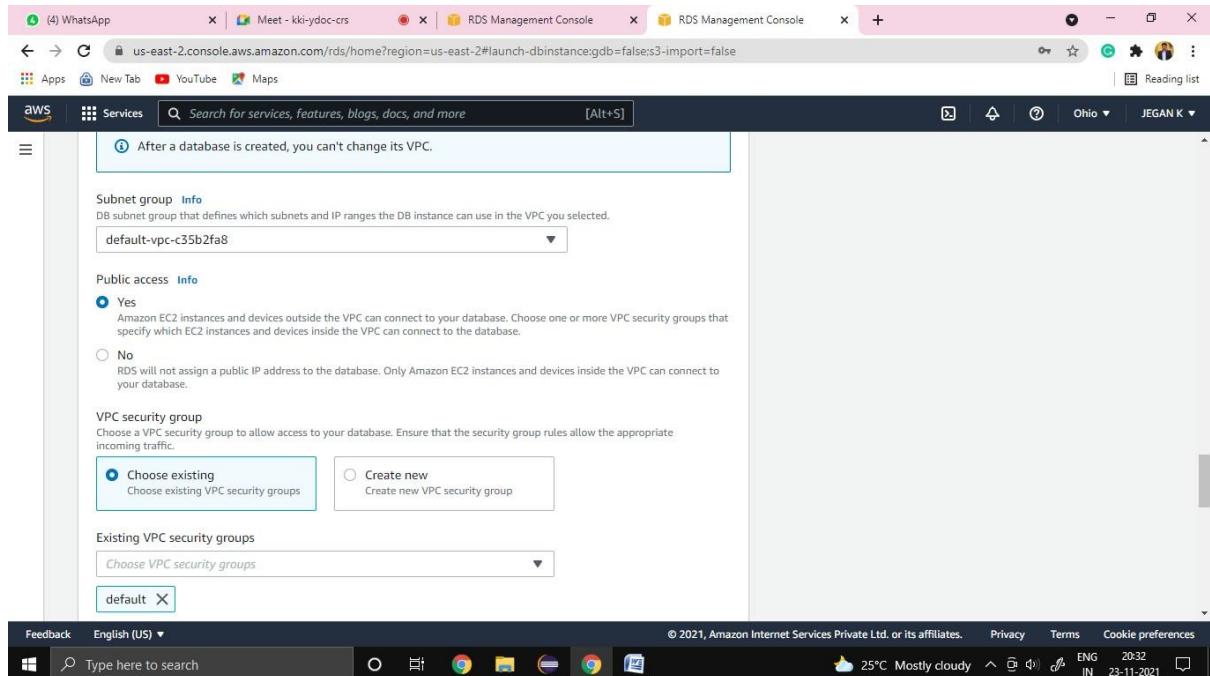
STEP 7: From credential setting given master username as admin.



The screenshot shows the AWS RDS Management Console interface for creating a new database instance. The 'Master username' field is set to 'admin'. The 'Master password' and 'Confirm password' fields are also populated. The 'DB instance class' section is visible at the bottom. The browser address bar shows the URL: us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance:gdb=false:s3-import=false

STEP 8: Given master password to connect local MYSQL database.

STEP 9: From connectivity select YES for public access.



The screenshot shows the AWS RDS Management Console interface for configuring connectivity. Under 'Public access', the 'Yes' option is selected. Under 'VPC security group', the 'Choose existing' option is selected, and 'default' is chosen from the dropdown. The browser address bar shows the URL: us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance:gdb=false:s3-import=false

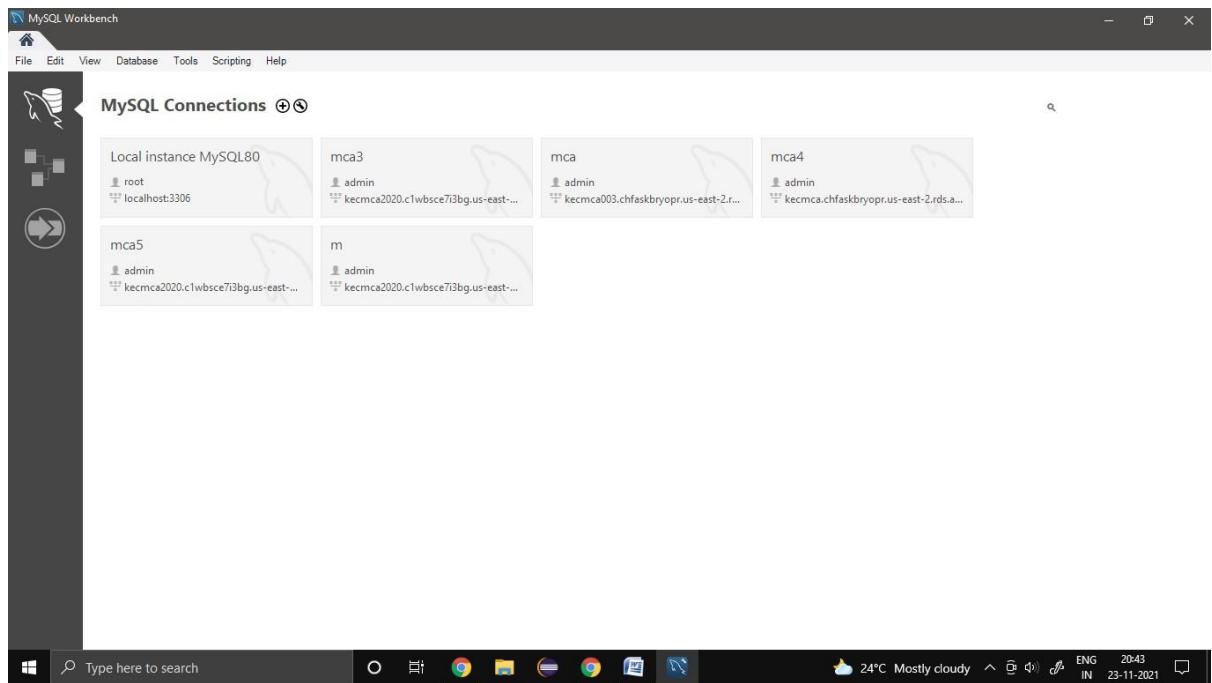
STEP 10: Click create database button at bottom.

The screenshot shows the AWS RDS Management Console interface. A green banner at the top center reads "Successfully created database database-3". Below this, the database name "database-3" is displayed. On the left, a sidebar menu for "Amazon RDS" includes options like Dashboard, Databases (which is selected), Query Editor, Performance insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom engine versions, and Events. The main content area has tabs for Summary, Connectivity & security (which is selected), Monitoring, Logs & events, Configuration, Maintenance & backups, and Tags. Under the Connectivity & security tab, there are three sections: Endpoint & port, Networking, and Security. The Endpoint section shows the endpoint as "database-3.c1wbsce7i3bg.us-east-2.rds.amazonaws.com". The Networking section shows the VPC as "vpc-c35b2fa8" and the Port as "3306". The Security section shows the Availability Zone as "us-east-2a", the VPC security group as "default (sg-f46492b8)" which is "Active", and the Publicly accessible setting as "Yes".

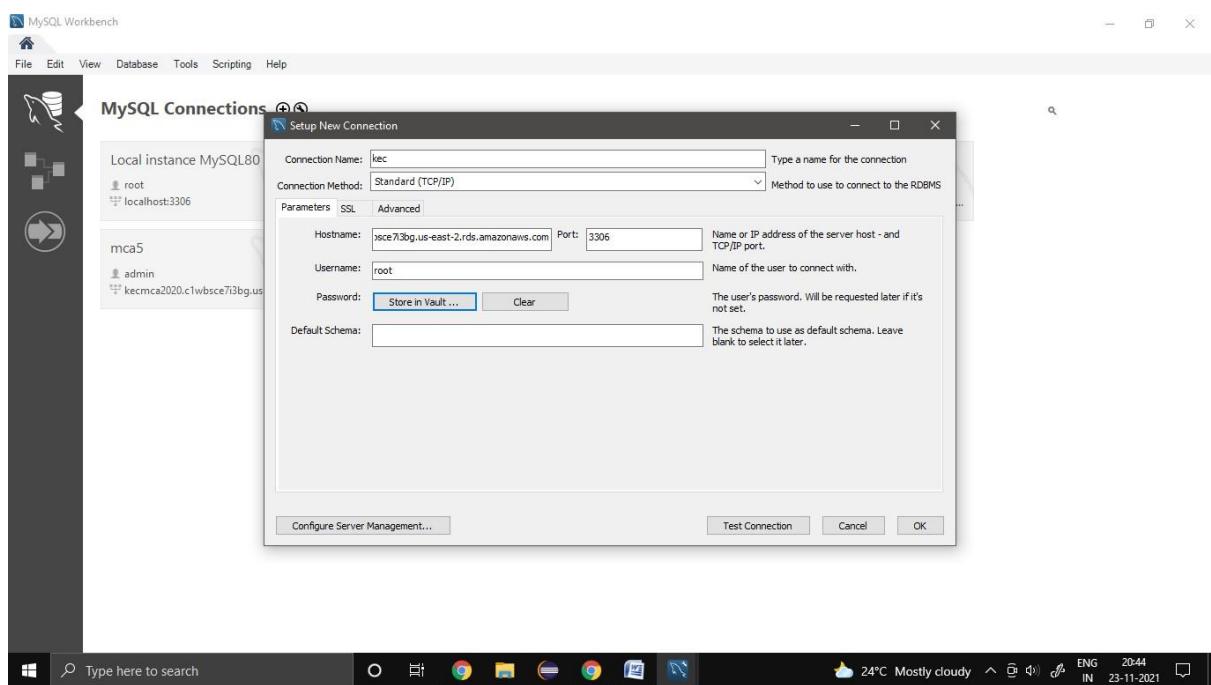
STEP 11: From RDS instance from connectivity and security tab, copy the endpoint and security tab, copy the endpoint and port string.

This screenshot shows the same AWS RDS Management Console interface, but the Connectivity & security tab is now selected. The main content area displays the "Connectivity & security" section with three tabs: Endpoint & port, Networking, and Security. The Endpoint & port tab is active, showing the endpoint "database-3.c1wbsce7i3bg.us-east-2.rds.amazonaws.com". The Networking tab shows the VPC as "vpc-c35b2fa8" and the Port as "3306". The Security tab shows the Availability Zone as "us-east-2a", the VPC security group as "default (sg-f46492b8)" which is "Active", and the Publicly accessible setting as "Yes". Below the tabs, there is a "Security group rules (3)" section with a "Filter by security group rules" input field and a "Create rule" button. The status bar at the bottom indicates it's 25°C, Mostly cloudy, 20:34, and the date is 23-11-2021.

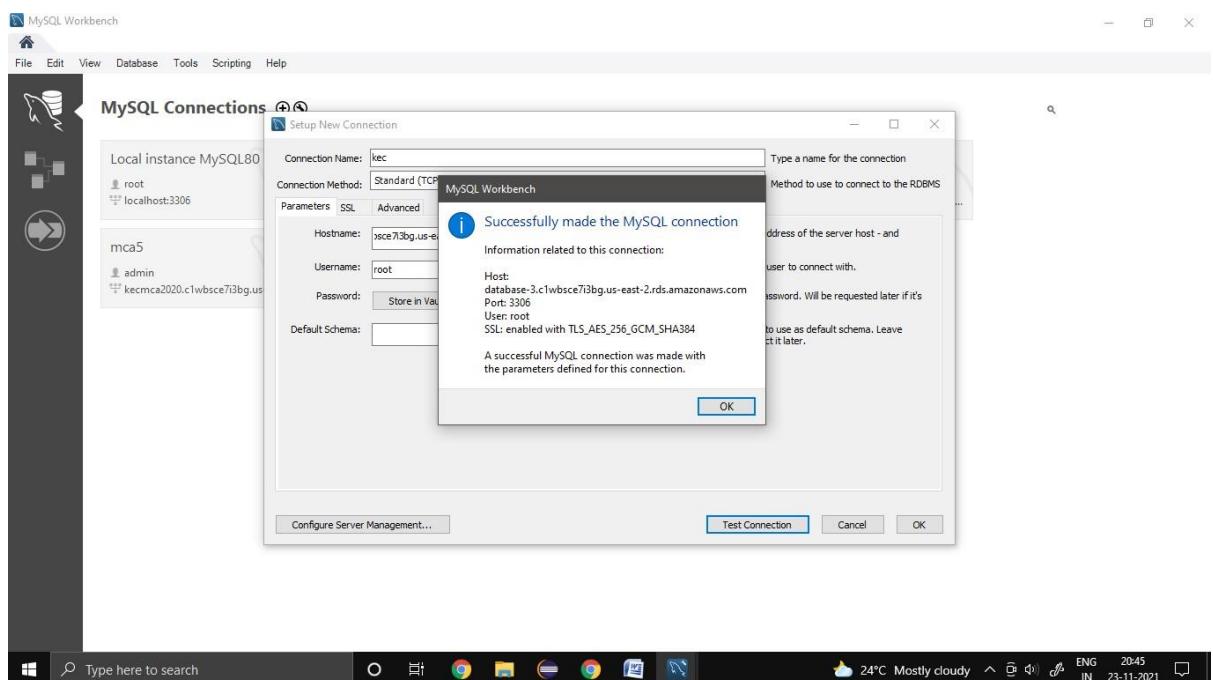
STEP 12: Go to Local MYSQL database software (MYSQL Workbench).



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

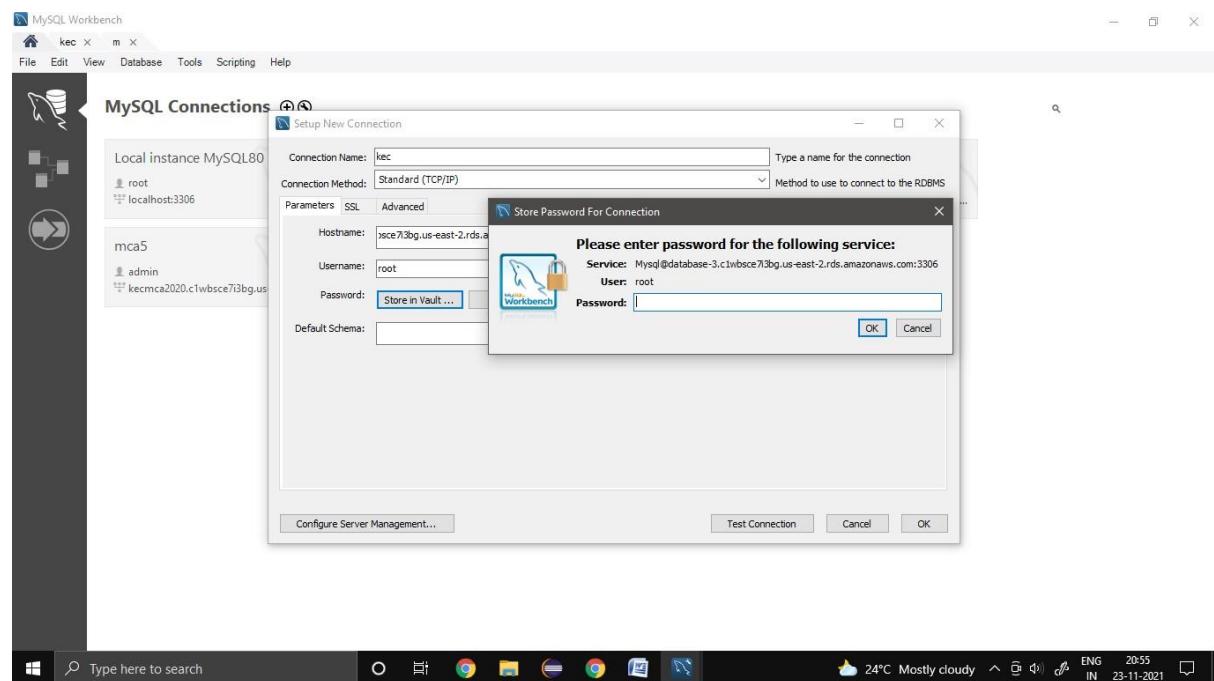


STEP 14: The new dialog box is opened.



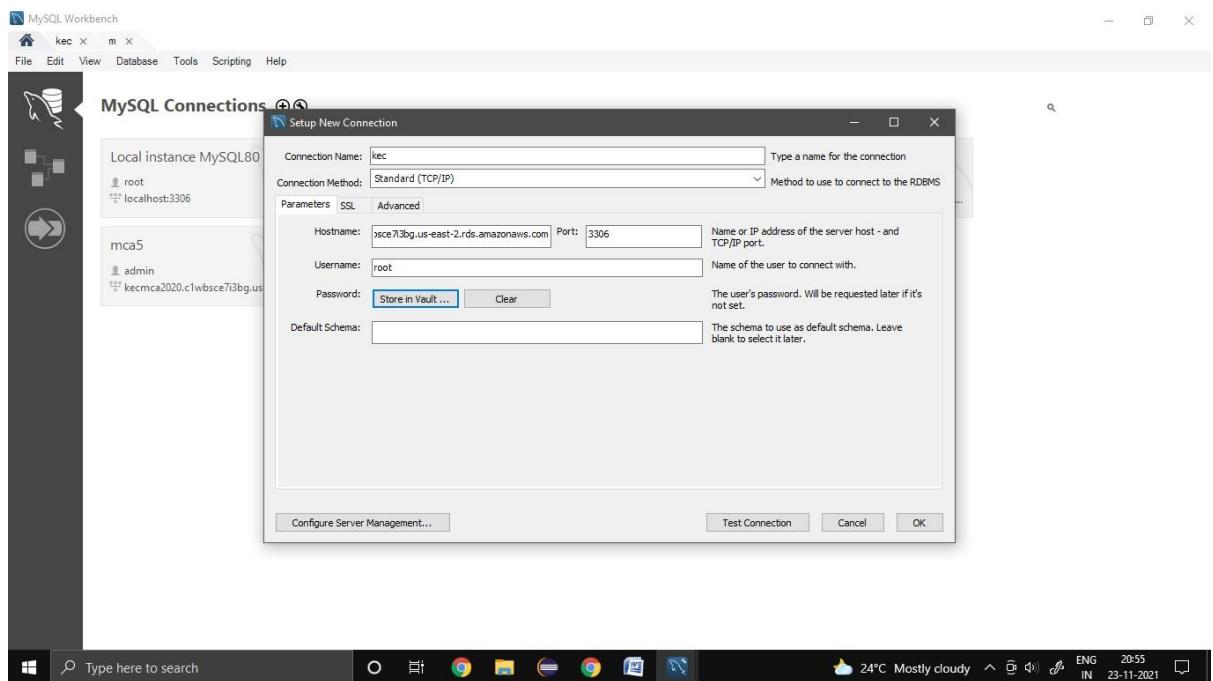
STEP 15: From the setup new connections dialog box, give connection name from the name paste the endpoint string which is copied from DB instances.

STEP16: From password select the store in vault.

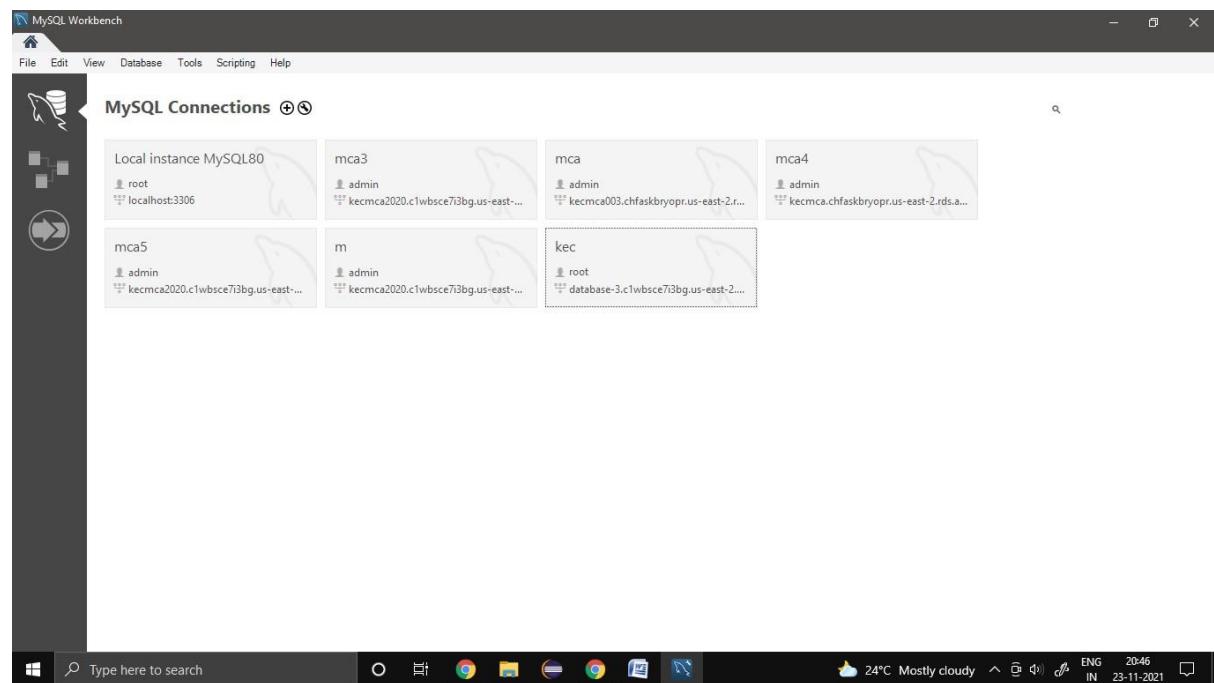


STEP 17: Click the store in vault. Give password which is already given in RD Instances. Then Click OK.

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 table values into table.

MySQL Workbench

kec

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Query 1

```
1 • create schema Students;
2 • use Student;
3 • create table a (name varchar(20), rollno int);
4 • insert into a values('Sam',23);
5 • select * from Student;
```

Automatic context help is disabled.
Use the toolbar to manually get
help for the current caret position
or to toggle automatic help.

Administration Schemas

Information

No object selected

Object Info Session

Ready

Type here to search

24°C Mostly cloudy 20:49 ENG IN 23-11-2021

MySQL Workbench

kec

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Query 1

```
1 • create schema Std;
2 • use Std;
3 • create table a (name varchar(20), rollno int);
4 • insert into a values('Kevin',23);
5 • select * from a;
```

Automatic context help is disabled.
Use the toolbar to manually get
help for the current caret position
or to toggle automatic help.

Result Grid | Filter Rows: Export: Wrap Cell Content:

name	rollno
Kevin	23

a 1

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	20:52:24	create schema Std	1 row(s) affected	0.297 sec
2	20:52:51	use Std	0 row(s) affected	0.281 sec
3	20:53:02	create table a (name varchar(20), rollno int)	0 row(s) affected	0.296 sec
4	20:53:19	insert into a values('Kevin',23)	1 row(s) affected	0.281 sec
5	20:53:29	select * from a LIMIT 0, 1000	1 row(s) returned	0.297 sec / 0.000 sec

Object Info Session

Query Completed

Type here to search

24°C Mostly cloudy 20:53 ENG IN 23-11-2021

STEP 21: Execute the statement.

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

The screenshot shows the MySQL Workbench interface. At the top, there is a toolbar with buttons for 'Result Grid' (highlighted in blue), 'Filter Rows', 'Export', and 'Wrap Cell Content'. Below the toolbar is a result grid showing a single row with columns 'name' and 'rolno'. The 'name' column has 'Kevin' and the 'rolno' column has '23'. To the right of the grid is a vertical sidebar with a 'Result Grid' icon. The main workspace is titled 'a1 X' and contains an 'Information' tab with a sub-tab 'Action Output'. The 'Action Output' section lists five database actions with their details:

#	Time	Action	Message	Duration / Fetch
1	20:52:24	create schema Std;	1 row(s) affected	0.297 sec
2	20:52:51	use Std;	0 row(s) affected	0.281 sec
3	20:53:02	create table a (name varchar(20),rolno int);	0 row(s) affected	0.296 sec
4	20:53:19	insert into a values('Kevin',23);	1 row(s) affected	0.281 sec
5	20:53:29	select * from a LIMIT 0,1000;	1 row(s) returned	0.297 sec / 0.000 sec

At the bottom of the interface, there is a search bar with placeholder text 'Type here to search' and a taskbar with various icons. The system tray shows the date as 23-11-2021 and the time as 20:53.

RESULT:

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

EXPERIMENT NO : 09

DATE : 13/11/2021

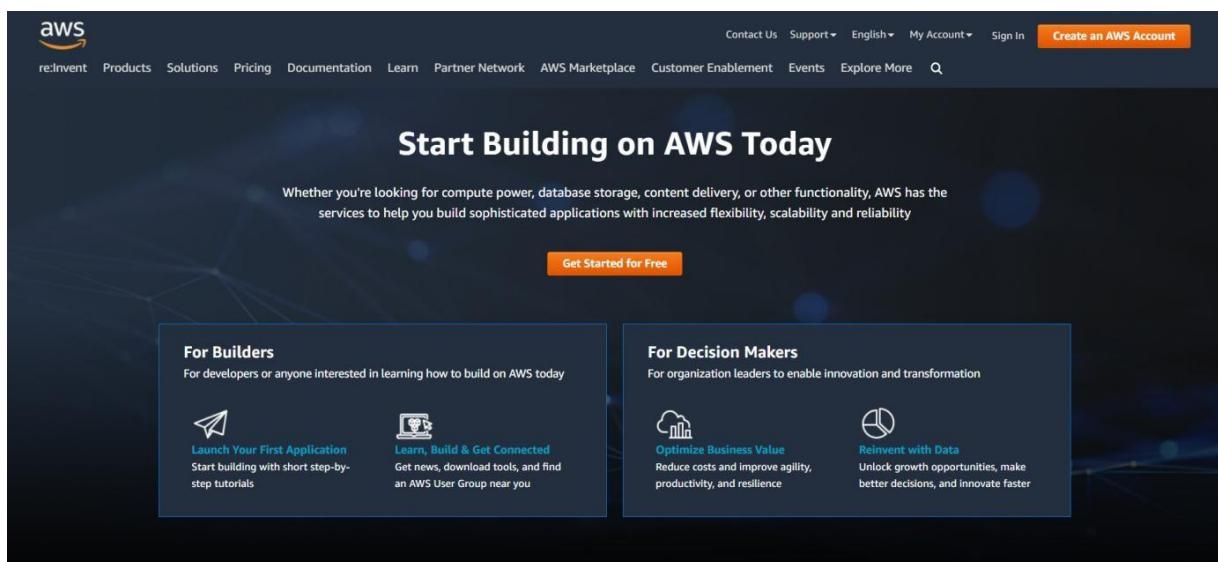
WORKING WITH AWS INSTANCE

AIM:

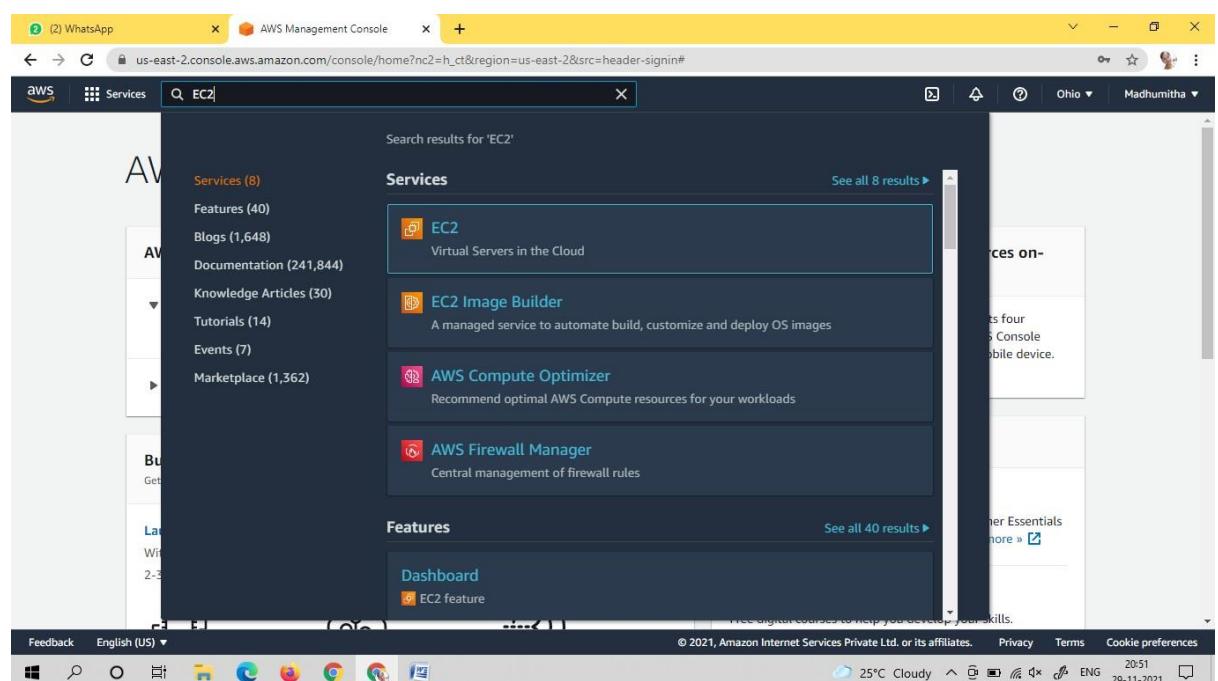
To install a c compiler in the virtual machine and execute a sample program.

ALGORITHM:

STEP 1: Open the browser and search AWS.



STEP 2: From the search windows, type EC2



STEP 3: Select the windows Instances, Click the Instance state Instance.

Successfully started i-0cee8e5d16b1e2b71

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
-	i-0cee8e5d16b1e2b71	Running	t3.micro	-	No alarms	us-east-2b
-	i-0a2947f6d7e06ed1	Stopped	t2.micro	-	No alarms	us-east-2c

Instance: i-0cee8e5d16b1e2b71

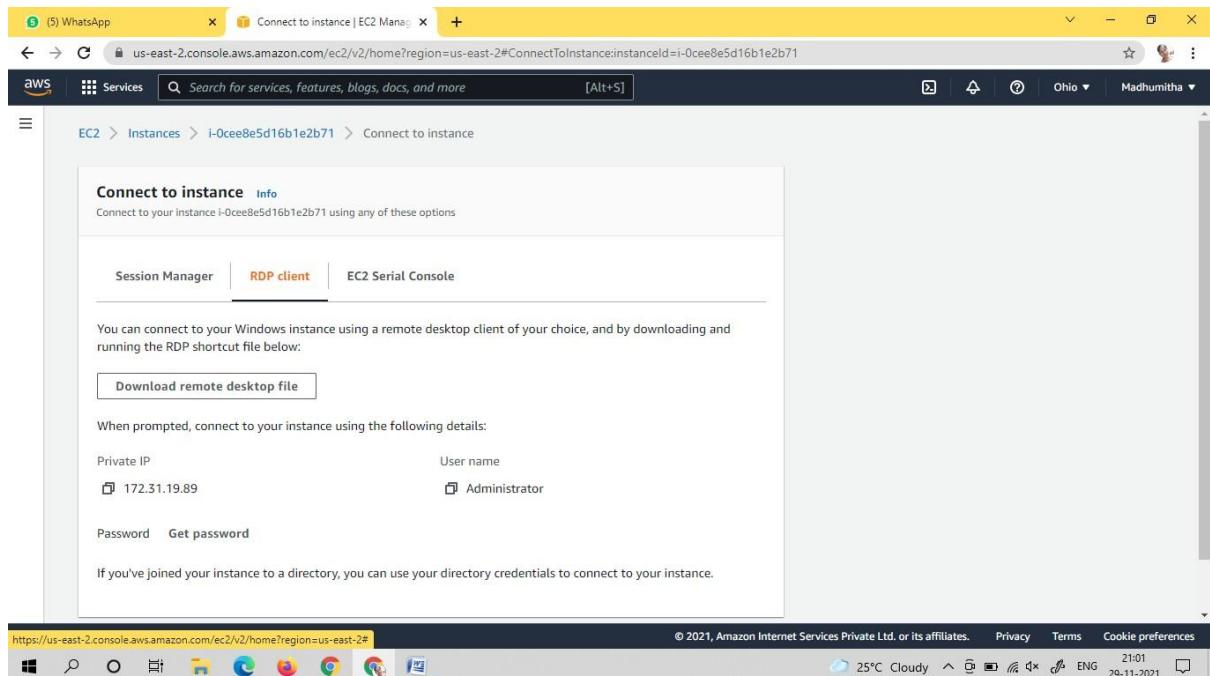
Instance summary		
Instance ID	Public IPv4 address	Private IPv4 addresses
i-0cee8e5d16b1e2b71	18.223.152.233 open address	172.31.19.89
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-18-223-152-233.us-east-2.compute.amazonaws.com open address

STEP 4: After instance running click connect button.

Instance: i-0cee8e5d16b1e2b71

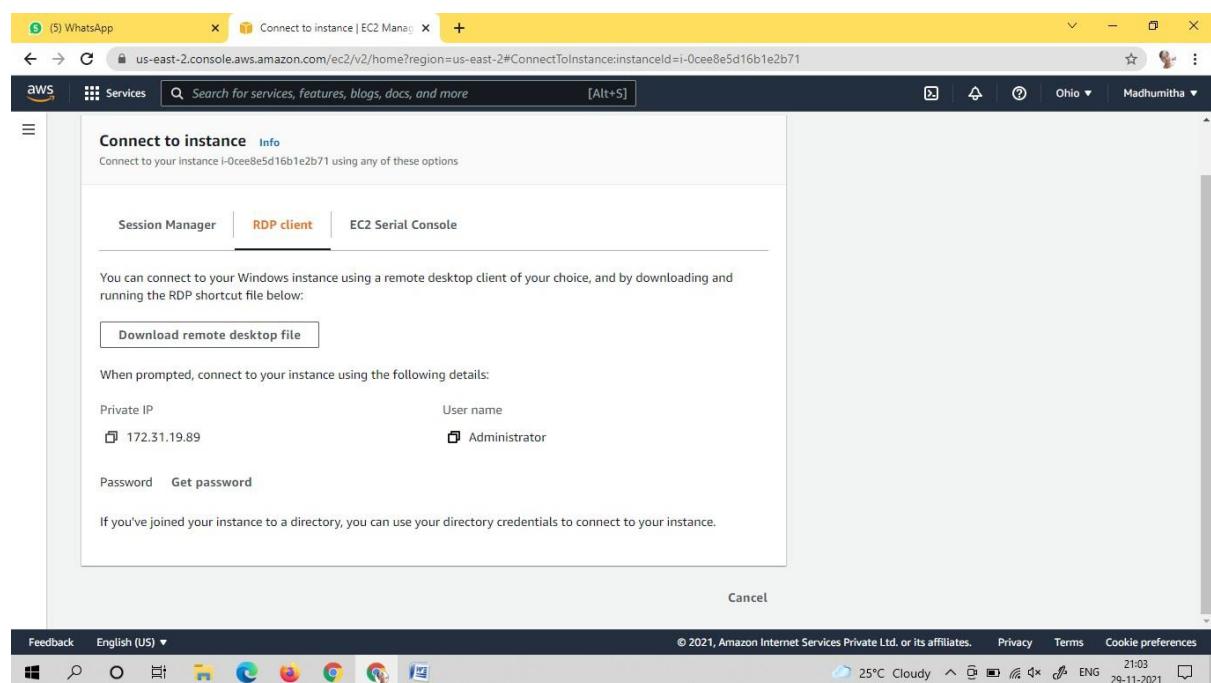
Instance summary		
Instance ID	Public IPv4 address	Private IPv4 addresses
i-0cee8e5d16b1e2b71	18.223.152.233 open address	172.31.19.89
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-18-223-152-233.us-east-2.compute.amazonaws.com open address

STEP 5: Then, the page will be moved to RDP client

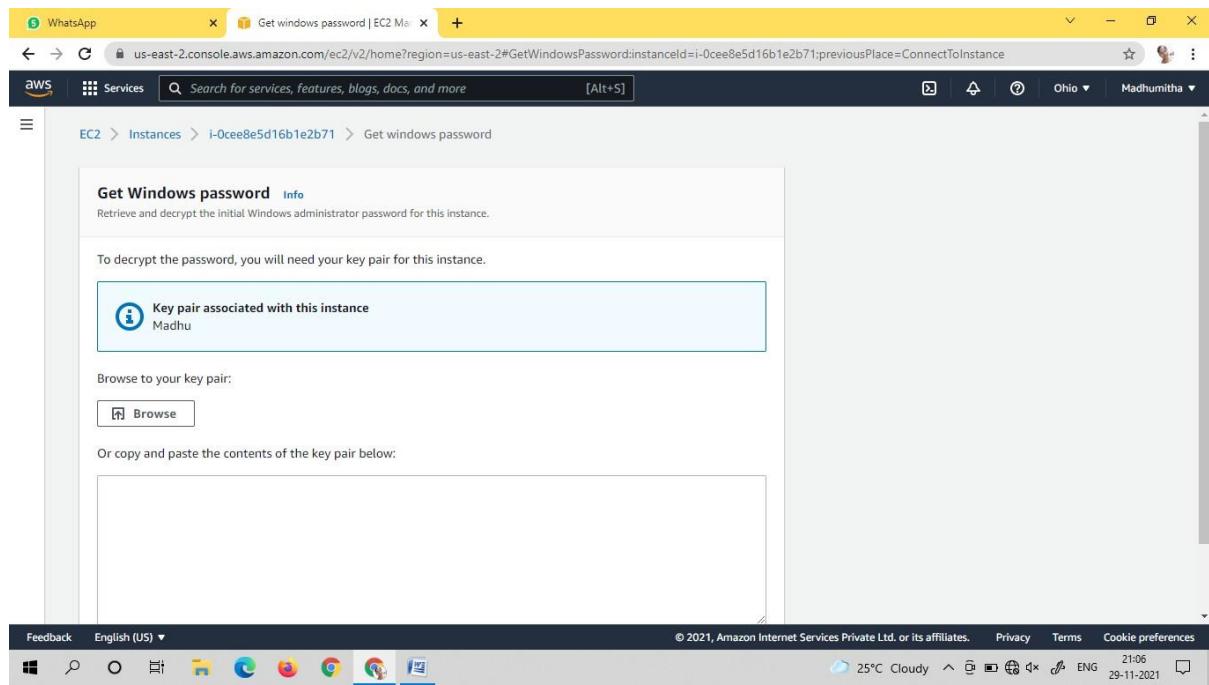


STEP 6: Click the download remote desktop file

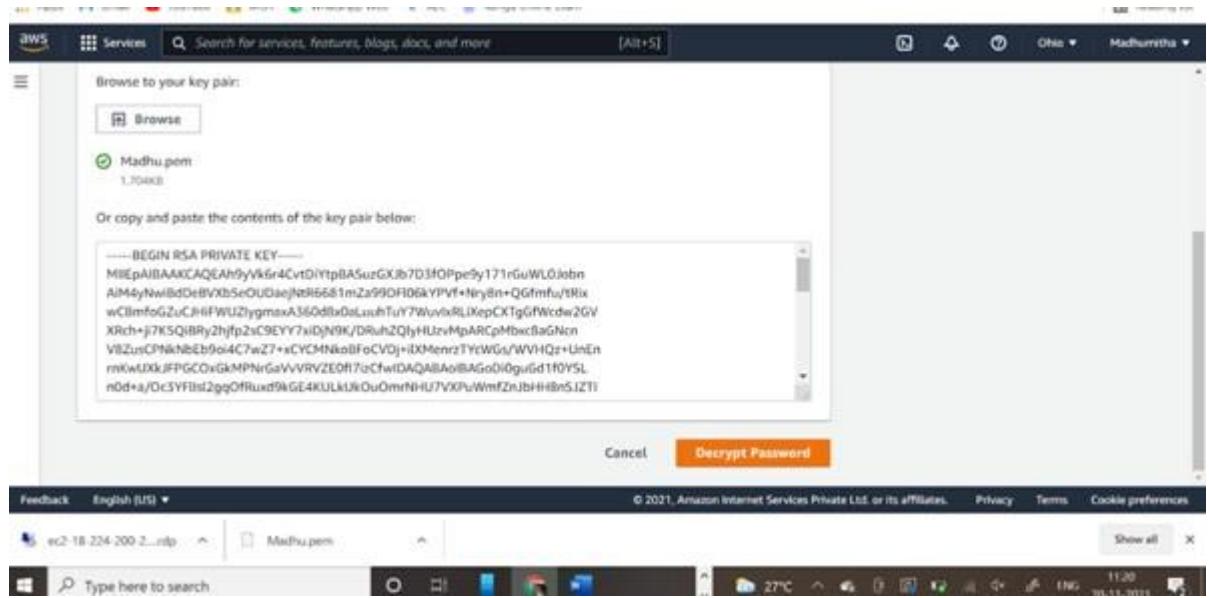
STEP 7: File download in the computer as PEM file



STEP 8: Click the get password, click the browser button



STEP 9: Select the PEM file in the browser button window (LaunchingInstance Download key pair files)



STEP 10: Then, click the decrypt password button

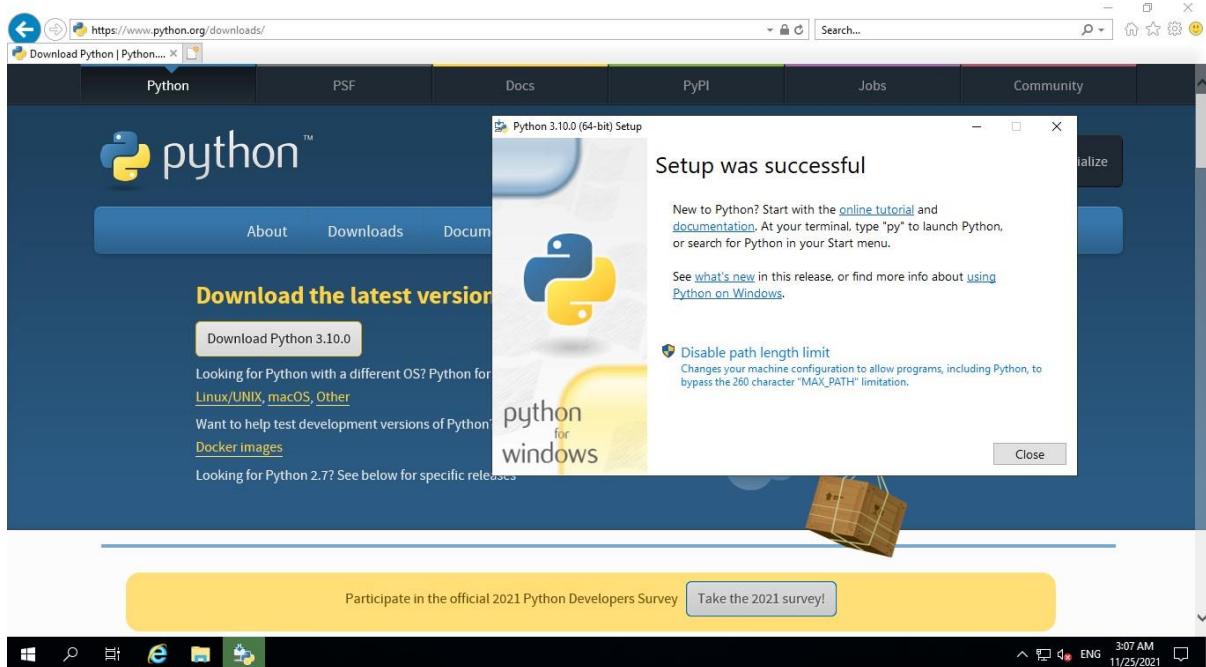
The screenshot shows the AWS Management Console with the EC2 service selected. A green success message box is displayed, stating "Password Decryption Successful" and "The password for instance i-0a29471f6d7e06ed1 was successfully decrypted." Below the message, the breadcrumb navigation shows "EC2 > Instances > i-0a29471f6d7e06ed1 > Connect to instance". The main content area is titled "Connect to instance" and includes tabs for "Session Manager", "RDP client" (which is selected), and "EC2 Serial Console". It provides instructions for connecting using a remote desktop client or downloading an RDP shortcut file. A "Download remote desktop file" button is visible. At the bottom, there are links for "Feedback", "English (US)", "© 2021, Amazon Internet Services Private Ltd. or its affiliates.", "Privacy", "Terms", and "Cookie preferences".

STEP 11: Password shared in word files

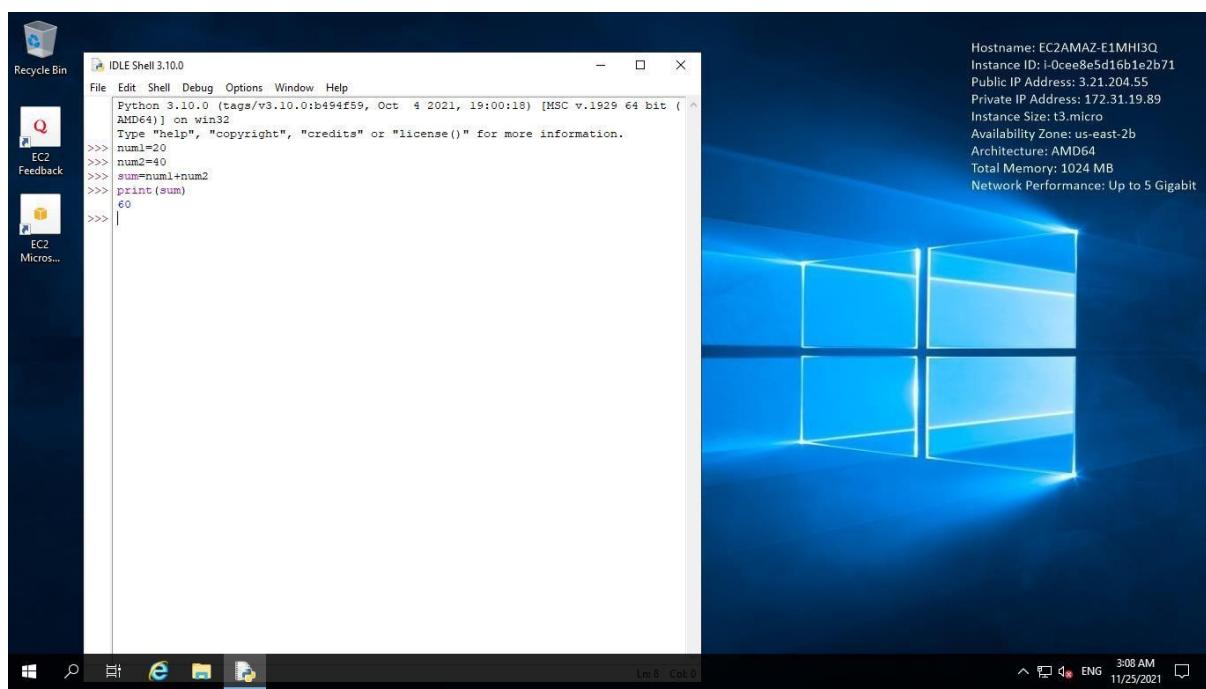
STEP 12: Remote desktop server would be installed in our machine

The screenshot shows the AWS Management Console with the EC2 service selected. A modal dialog box titled "Remote Desktop Connection" is open, showing the connection status: "Connecting to: ec2-18-224-200-210.us-east-2.compute.amazonaws.com". Below the dialog, a message says "Initiating remote connection...". On the left side of the main content area, there is a section for "Public DNS" with the value "ec2-18-224-200-210.us-east-2.compute.amazonaws.com" and a "Download remote desktop file" button. At the bottom, there is a note: "If you've joined your instance to a directory, you can use your directory credentials to connect to your instance." A "Cancel" button is located at the bottom right of the modal dialog.

STEP 13: Install python compiler in the instance



STEP 14: Type python code and execute the program



RESULT:

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

EXPERIMENT NO : 10

DATE : 18/11/2021

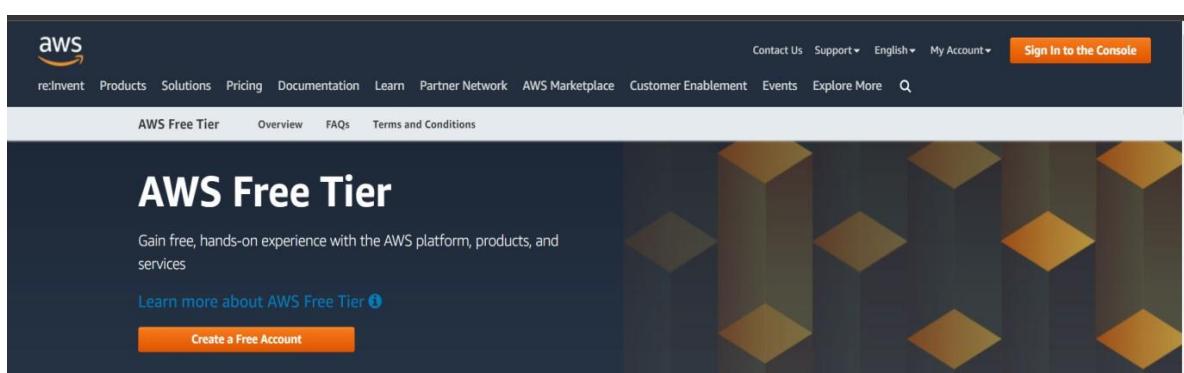
WORKING WITH AWS S3 BUCKET

AIM:

To create an s3 bucket in AWS for storing files.

ALGORITHM:

STEP 1: Open Aws.console.com in the browser

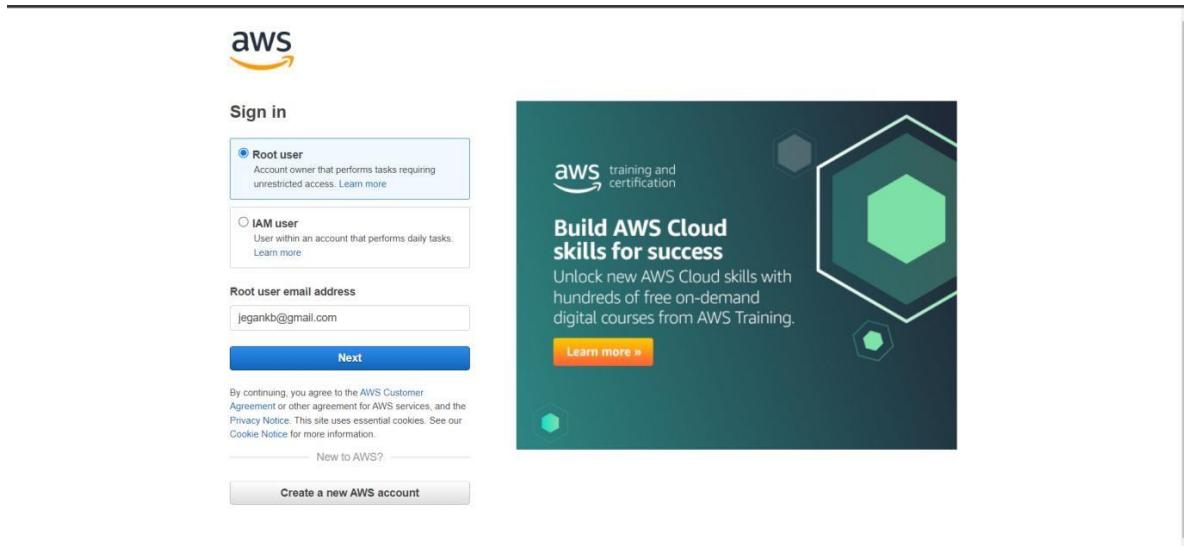


Types of offers

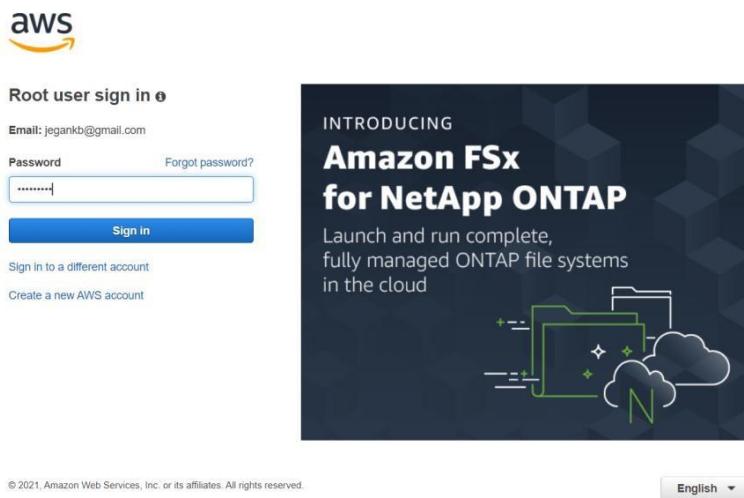
Explore more than 100 products and start building on AWS using the Free Tier. Three different types of free offers are available depending on the product used. Click icon below to explore our offers.



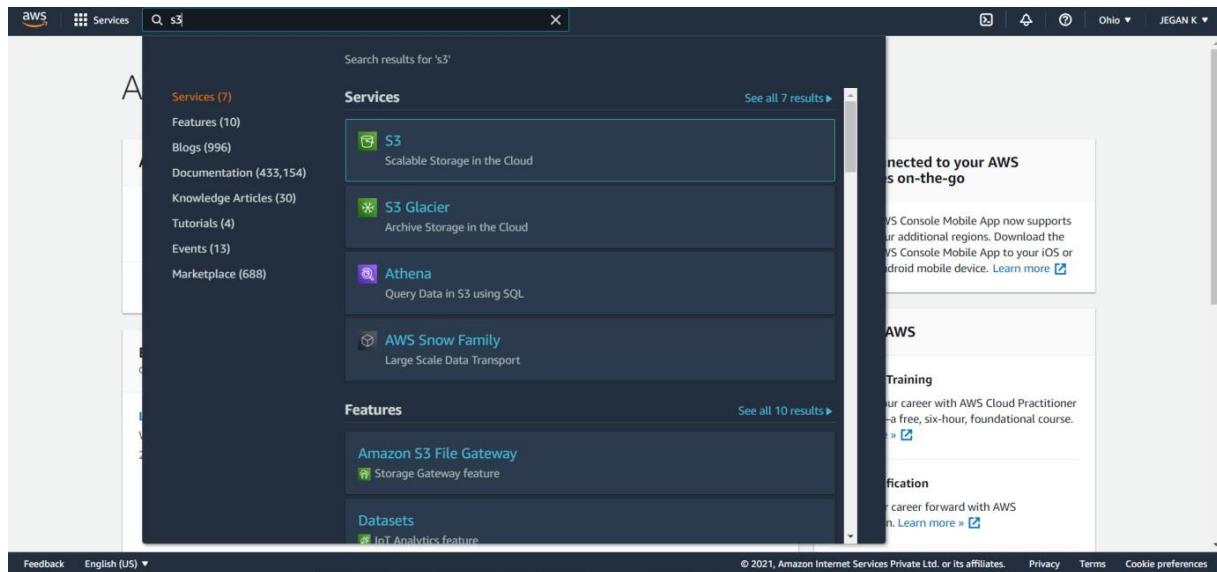
STEP 2: Sign as root user and enter email and address and click next EnterCaptcha and submit.



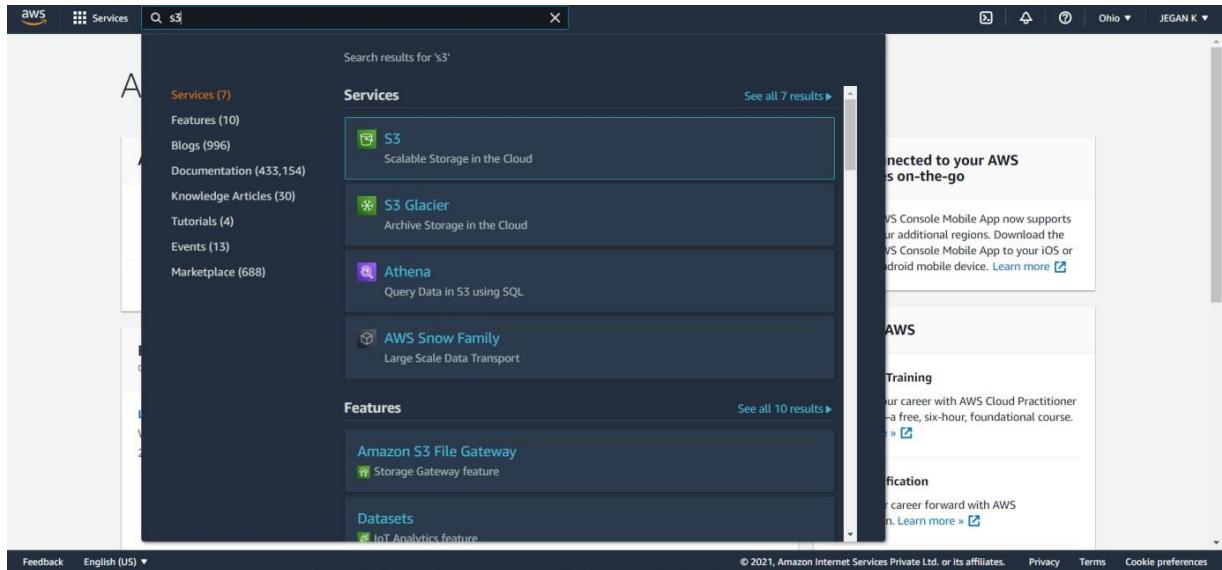
STEP 3: Enter Password & click sign in.



STEP 4: Go to search title bar and type s3 and press enter key.



STEP 5: From the services window, click s3 Option.



STEP 6: Click bucked Option, click create button.

The screenshot shows the AWS S3 console. On the left, a sidebar includes 'Buckets', 'Storage Lens', and 'Feature spotlight'. The main area displays an 'Account snapshot' with a 'View Storage Lens dashboard' button. Below it is a table titled 'Buckets (1) Info' showing one bucket named 'kecmca' located in 'US East (Ohio) us-east-2' with 'Bucket and objects not public' access. A 'Create bucket' button is visible at the top right of the table area.

STEP 7: One default option for remaining.

The screenshot shows the AWS S3 console interface. On the left, there's a sidebar with navigation links like Buckets, Storage Lens, and Feature spotlight. The main area displays an 'Account snapshot' section with a link to 'View Storage Lens dashboard'. Below it is a 'Buckets (1) Info' section. A table lists one bucket: 'kecmca' located in 'US East (Ohio) us-east-2' with 'Bucket and objects not public' access and created on 'November 24, 2021, 09:17:45 (UTC+05:30)'. At the bottom, there are links for Feedback, English (US), and various legal notices.

STEP 8: Click create button from the button.

This screenshot shows the 'Create bucket' dialog box. It includes sections for tagging ('Add tag'), default encryption ('Server-side encryption' with 'Disable' selected), and advanced settings. A note at the bottom says 'After creating the bucket you can upload files and folders to the bucket, and configure additional bucket settings.' At the bottom right are 'Cancel' and 'Create bucket' buttons.

STEP 9: Bucket is successfully created.

The screenshot shows the AWS S3 console after a bucket has been created. The sidebar and account snapshot are similar to the previous screen. The 'Buckets (2) Info' section shows two buckets: 'kecbucket1' (created on November 25, 2021) and 'kecmca' (created on November 24, 2021). The table columns are Name, AWS Region, Access, and Creation date.

STEP 10: Click the bucket you have created.

Buckets

Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3

Block Public Access settings for this account

Storage Lens
Dashboards
AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Amazon S3

Provide feedback

View details

Learn More

View Storage Lens dashboard

Buckets (2) Info

Buckets are containers for data stored in S3. Learn more

Name AWS Region Access Creation date

Name	AWS Region	Access	Creation date
kecbucket1	US East (Ohio) us-east-2	Bucket and objects not public	November 25, 2021, 10:36:18 (UTC+05:30)
kecmca	US East (Ohio) us-east-2	Bucket and objects not public	November 24, 2021, 09:17:45 (UTC+05:30)

Find buckets by name

Feedback English (US) © 2021, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

STEP 11: From the object window, click the upload button.

Buckets

Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3

Block Public Access settings for this account

Storage Lens
Dashboards
AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Amazon S3 kecbucket1

Provide feedback

kecbucket1 Info

Objects (0)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more

Copy S3 URI Copy URL Download Open Actions Create folder Upload

Find objects by prefix

Name	Type	Last modified	Size	Storage class
No objects				

You don't have any objects in this bucket.

Upload

Feedback English (US) © 2021, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

STEP 12: From upload window, click the add files button.

The screenshot shows the Amazon S3 'Upload' interface. At the top, a blue header bar contains a message: 'We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.' Below this is a breadcrumb navigation: 'Amazon S3 > kecbucket1 > Upload'. The main area is titled 'Upload' with a 'Info' link. A descriptive text block says: 'Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. Learn more' with a link icon. Below is a dashed box for dragging files, with buttons 'Add files' and 'Add folder'. A table titled 'Files and folders (0)' shows a single row with columns: Name, Folder, Type, and Size. The table is empty with the message 'No files or folders' and the note 'You have not chosen any files or folders to upload.' At the bottom, there are links for 'Feedback', 'English (US) ▾', and copyright information: '© 2021, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences'.

STEP 13: Select the file to be uploaded in S3 bucket click upload button and our file start.

The screenshot shows the 'Upload: status' window. A green header bar indicates 'Upload succeeded' with a link 'View details below.'. Below is a summary table with three rows: Destination (s3://kecbucket1), Succeeded (1 file, 684.9 KB (100.00%)), and Failed (0 files, 0 B (0%)). Below the summary is a tabbed section with 'Files and folders' selected. A table titled 'Files and folders (1 Total, 684.9 KB)' shows one item: 'Find by name'. At the bottom, there are links for 'Feedback', 'English (US) ▾', and copyright information: '© 2021, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences'.

STEP 14: Click close button inside the upload window.

The screenshot shows the AWS S3 console with a green header bar indicating an upload was successful. Below the header, a summary table shows one succeeded file (DSC_3143.JPG) and zero failed files. The main content area displays the uploaded file in a table format with columns for Name, Type, Last modified, Size, and Storage class. A search bar and navigation controls are also visible.

Succeeded	Failed
1 file, 684.9 KB (100.00%)	0 files, 0 B (0%)

Name	Type	Last modified	Size	Storage class
DSC_3143.JPG	JPG	November 25, 2021, 10:42:16 (UTC+05:30)	684.9 KB	Standard

STEP 15: Click the file which we have uploaded in the S3 bucket page.

The screenshot shows the AWS S3 console with the file DSC_3143.JPG selected in the object list. The file details are shown in a modal window, including its name, type (JPG), last modified date (November 25, 2021, 10:42:16 UTC+05:30), size (684.9 KB), and storage class (Standard). The file is highlighted with a blue selection bar.

STEP 16: Click the open button or download button on top

The screenshot shows the AWS S3 console with the file DSC_3143.JPG selected in the object list. The file details are shown in a modal window, including its name, type (JPG), last modified date (November 25, 2021, 10:42:16 UTC+05:30), size (684.9 KB), and storage class (Standard). The 'Open' button in the top toolbar is highlighted with a red box.

STEP 17: Inside the bucket (we created), from the object window, click the create folder button.

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose [Provide feedback](#).

Your bucket policy might block folder creation
If your bucket policy prevents uploading objects without specific tags, metadata, or access control list (ACL) grants, you will not be able to create a folder using this configuration. Instead, you can use the [upload configuration](#) to upload an empty folder and specify the appropriate settings.

Folder

Folder name /
Folder names can't contain ":". See [rules for naming](#)

Server-side encryption

The following settings apply only to the new folder object and not to the objects contained within it.

Server-side encryption
 Disable
 Enable

Feedback English (US) ▾ © 2021, Amazon Internet Services Private Ltd. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

STEP 18: Give the folder name for the created folder.

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose [Provide feedback](#).

Folder

Folder name /
Folder names can't contain ":". See [rules for naming](#)

Server-side encryption

The following settings apply only to the new folder object and not to the objects contained within it.

Server-side encryption
 Disable
 Enable

Cancel **Create folder**

STEP 19: Select to the file that are needed to move to the created folder.

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose [Provide feedback](#).

Successfully created folder "Arun"
Operation successfully completed.

kecucket1 [Info](#)

Objects **Properties** **Permissions** **Metrics** **Management** **Access Points**

Objects (2)
Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Name	Type	Last modified	Size	Storage class
Arun/	Folder	-	-	-
DSC_3143.JPG	JPG	November 25, 2021, 10:42:16 (UTC+05:30)	684.9 KB	Standard

Feedback English (US) ▾ © 2021, Amazon Internet Services Private Ltd. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

STEP 20: From the action button, select move option.

The screenshot shows the 'Destination' configuration dialog box. Under 'Destination type', 'Bucket' is selected. In the 'Destination' section, the URL 's3://kecbucket1/Arun/' is entered into the input field. Below it, the 'Format: s3://(bucket-name)/(prefix/)' placeholder is visible. The 'Destination bucket name' is set to 'kecbucket1' and the 'Destination prefix' is 'Arun/'. At the bottom, there are tabs for 'Bucket Versioning', 'Default encryption', and 'Object Lock'. A feedback banner at the top says, 'We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.' The footer includes links for 'Feedback', 'English (US) ▾', and copyright information: '© 2021, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences'.

STEP 21: From objects window. Select the folder name and click the choosedestination button.

This screenshot is identical to the one above, showing the 'Destination' configuration dialog box with the same settings: 'Bucket' selected, destination URL 's3://kecbucket1/Arun/', and the same 'Bucket Versioning', 'Default encryption', and 'Object Lock' tabs. The feedback banner and footer are also present.

STEP 22: From the move window click move button. click the close button.Now, the file is successfully moved to the created folder.

The screenshot shows the 'Move: status' window. At the top, a green banner says 'Successfully moved objects' with a link to 'View details below. To view successfully moved objects, go to the specified destination.' Below this, a summary table shows the move results:

Source	Successfully moved	Failed to move
s3://kecbucket1	1 object, 684.9 KB	0 objects

Below the summary, there are tabs for 'Failed to move' (which is empty) and 'Configuration'. A note at the bottom left says, 'The information below will no longer be available after you navigate away from this page.' The footer includes links for 'Feedback', 'English (US) ▾', and copyright information: '© 2021, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences'.

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

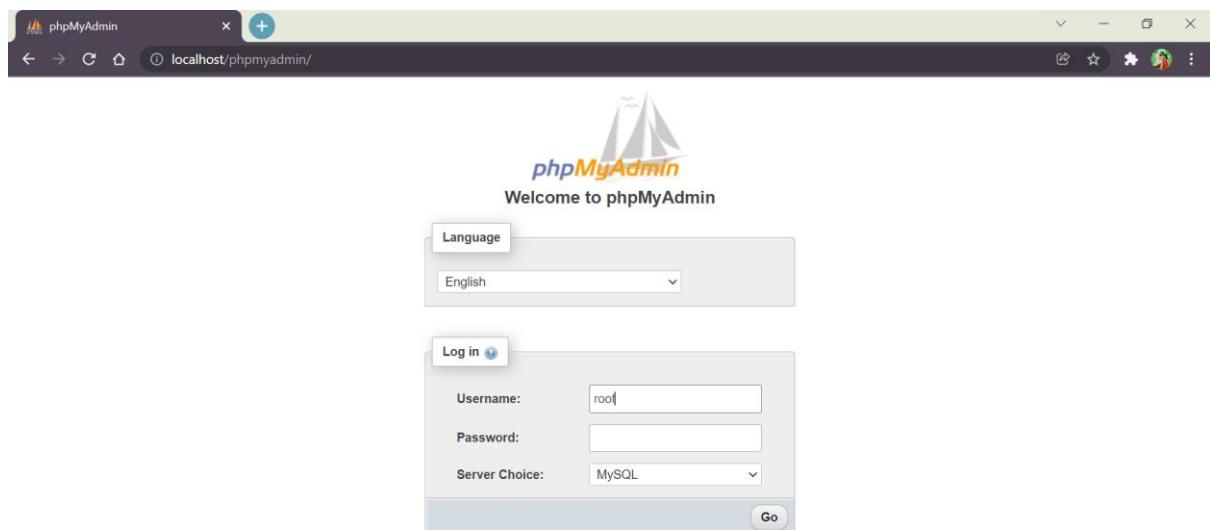
AIM:

To Create popular website using DRUPAL CMS

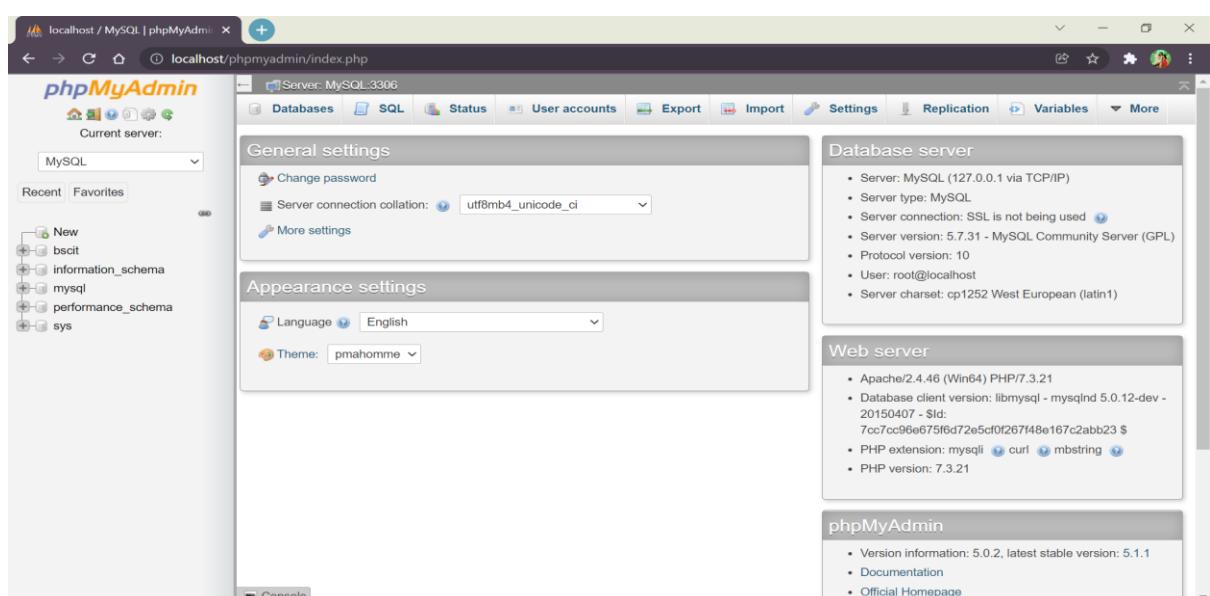
ALGORITHM:

STEP 1: Open the browser window and type local host.

STEP 2: From the tools option, select Php admin.



STEP 3: Click new open in left panel to create a new database



STEP 4: Enter the database name and click create button.

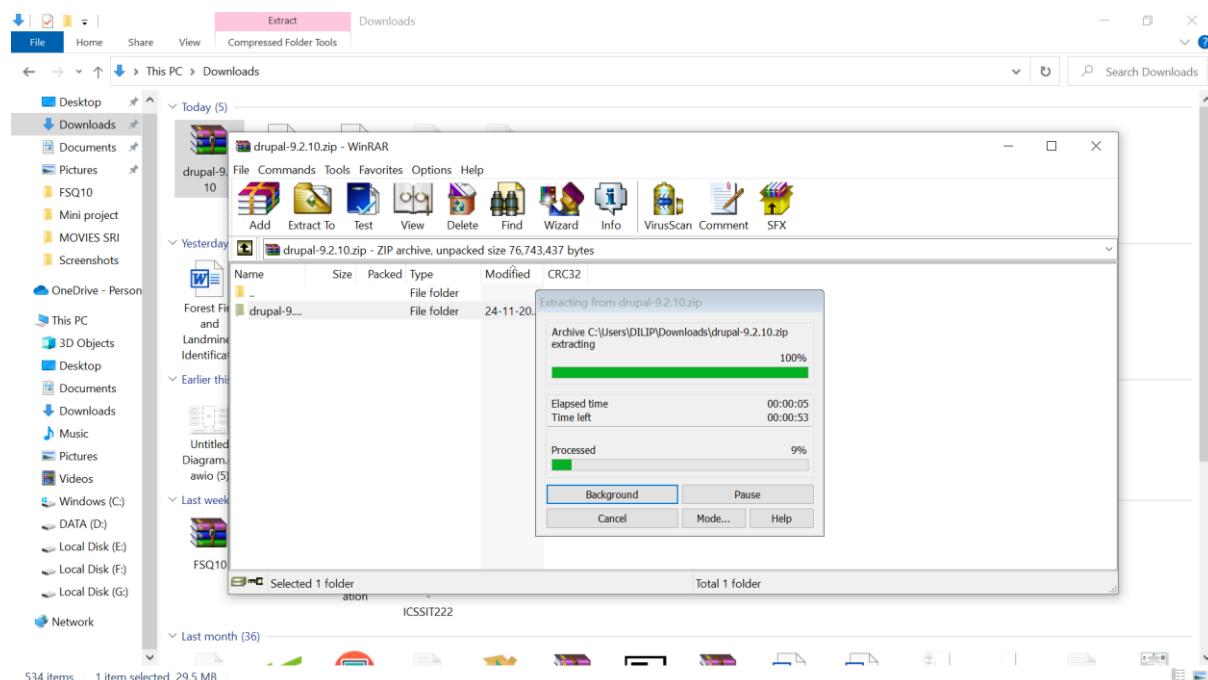
The screenshot shows the phpMyAdmin interface for MySQL. In the top navigation bar, the URL is localhost/phpmyadmin/server_databases.php?server=1. The main menu includes Databases, SQL, Status, User accounts, Export, Import, Settings, Replication, Variables, and More. The left sidebar shows the current server (MySQL) and lists databases: New, bscit, information_schema, mysql, performance_schema, and sys. A 'Create database' dialog is open, showing 'drupalproject' in the input field and 'latin1_swedish_ci' in the Collation dropdown. A 'Create' button is visible. Below the dialog, a table lists existing databases: bscit, information_schema, mysql, performance_schema, and sys, each with its collation listed. A note at the bottom states: 'Note: Enabling the database statistics here might cause heavy traffic between the web server and the MySQL server.' There is also an 'Enable statistics' link.

STEP 5: From the file explorer, Go to the wamp server folder.

The screenshot shows the Windows File Explorer interface. The address bar indicates the path: This PC > Windows (C:) > wamp64 > www. The left sidebar shows the navigation tree with sections like Desktop, Downloads, Documents, Pictures, FSQ10, Mini project, MOVIES SRI, Screenshots, OneDrive - Person, This PC, and Network. The main pane displays a list of files and folders in the www folder. The 'drupals' folder is selected. Other items include wampangues, wampthemes, add_vhost, favicon, index, test_sockets, and testmysql. The table below shows the details for each item: Name, Date modified, Type, and Size.

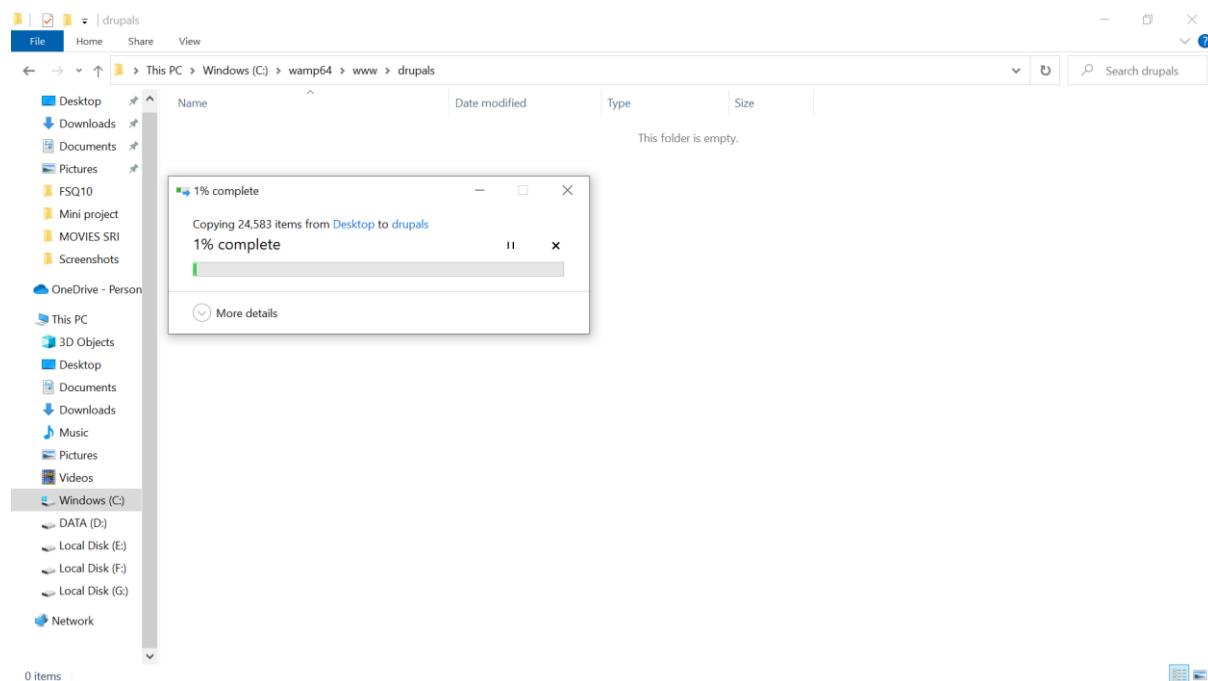
Name	Date modified	Type	Size
drupals	04-12-2021 19:21	File folder	
wampangues	28-03-2021 14:16	File folder	
wampthemes	28-03-2021 14:16	File folder	
add_vhost	10-06-2020 12:09	PHP File	24 KB
favicon	31-12-2010 09:40	Icon	198 KB
index	20-04-2020 15:51	PHP File	21 KB
test_sockets	21-09-2015 18:30	PHP File	1 KB
testmysql	12-03-2020 11:23	PHP File	1 KB

STEP 6: Inside the wamp server folder C:\wamp64\www.create a new project folder.

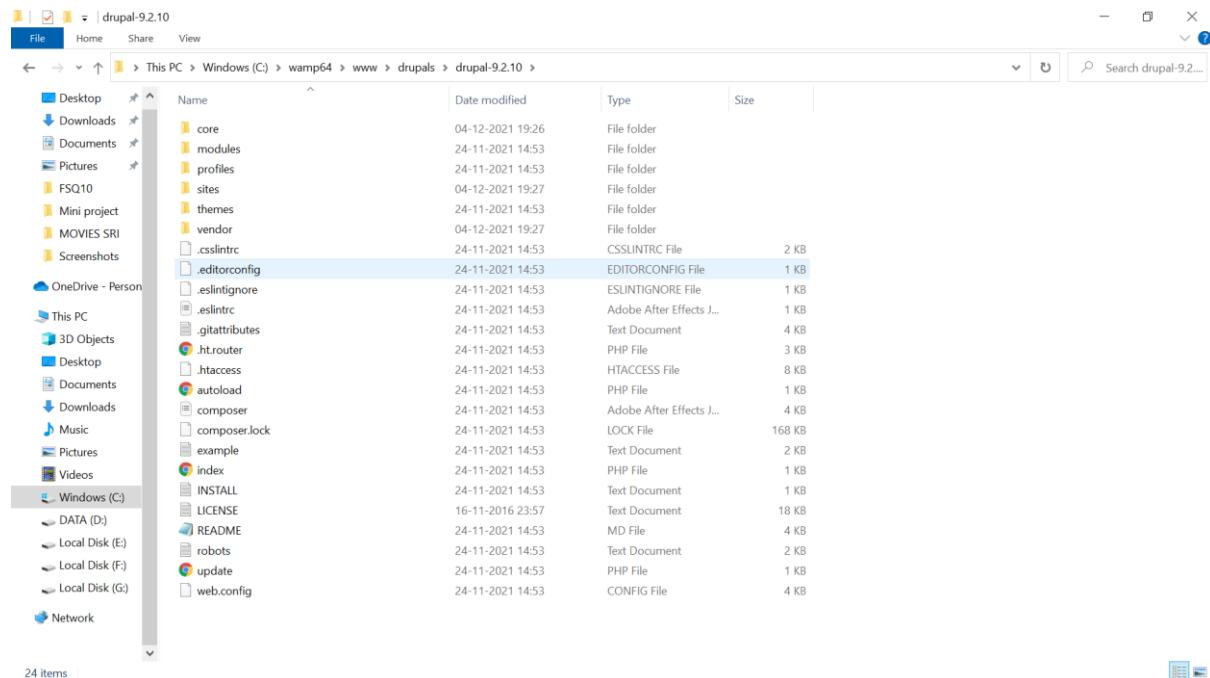


STEP 7: Download the drupal setup files using the link drupal.org/ download.

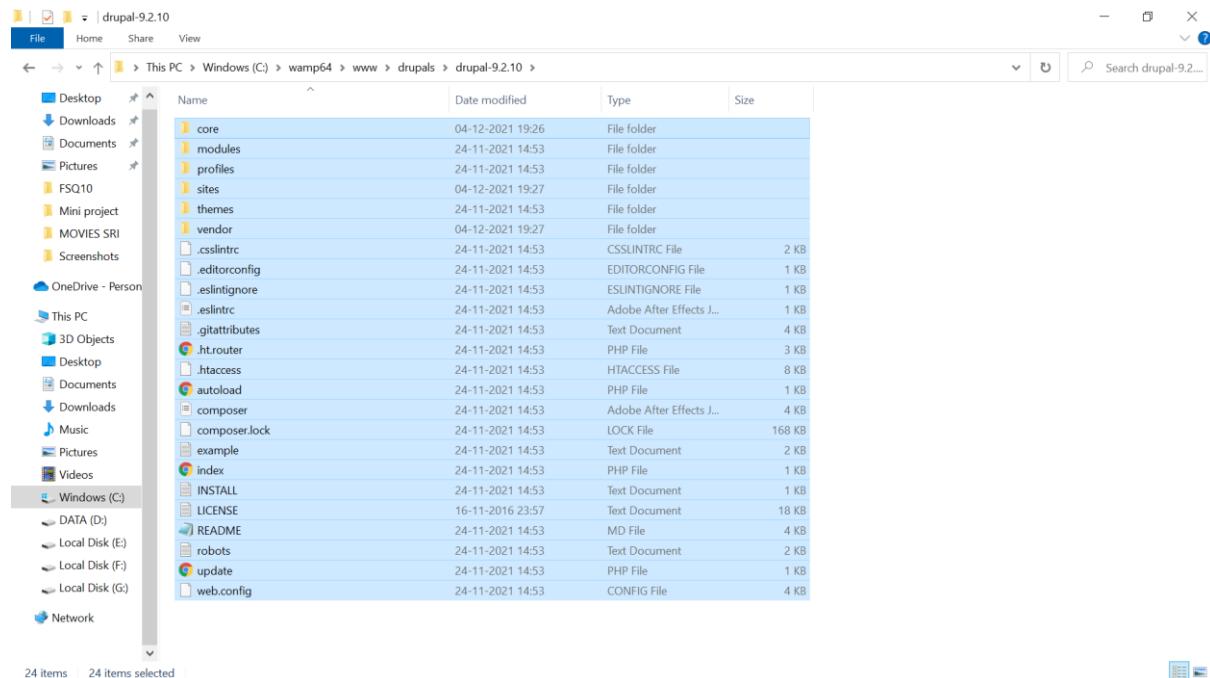
STEP 8: From the URL, click the “Download drupal zip” button.



STEP 9: Extract the downloaded zip file folder.



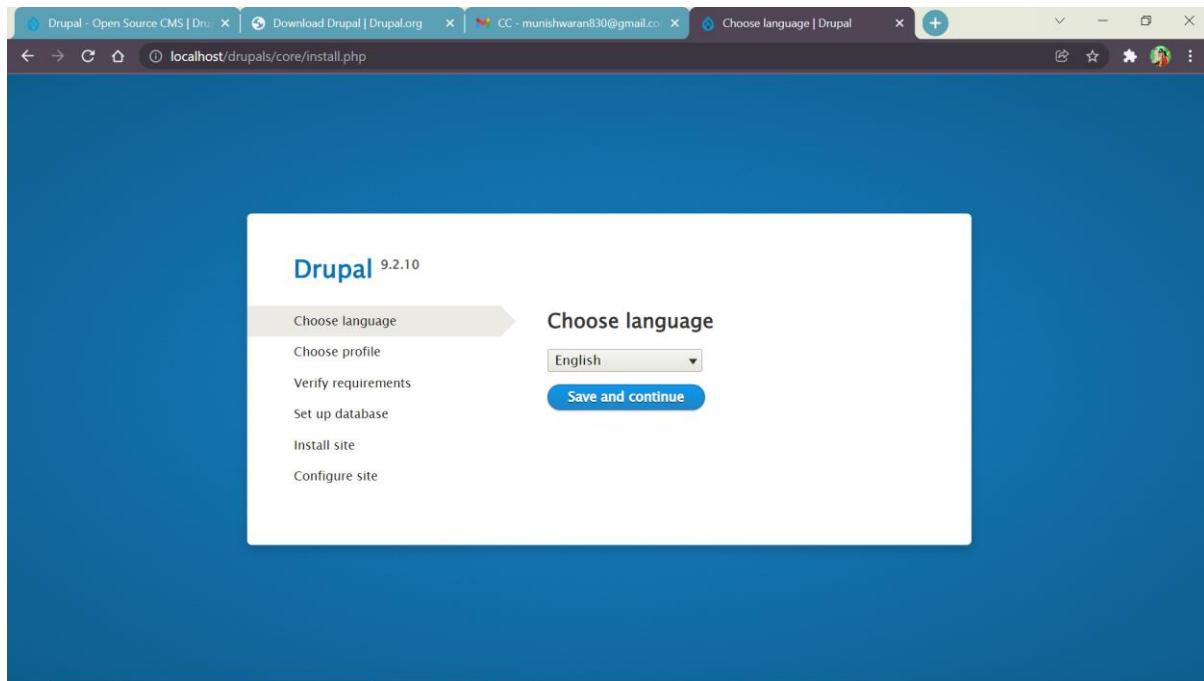
STEP 10: Go to the extracted downloaded zip file folder and select folder. 4 copy all the files inside this folder.



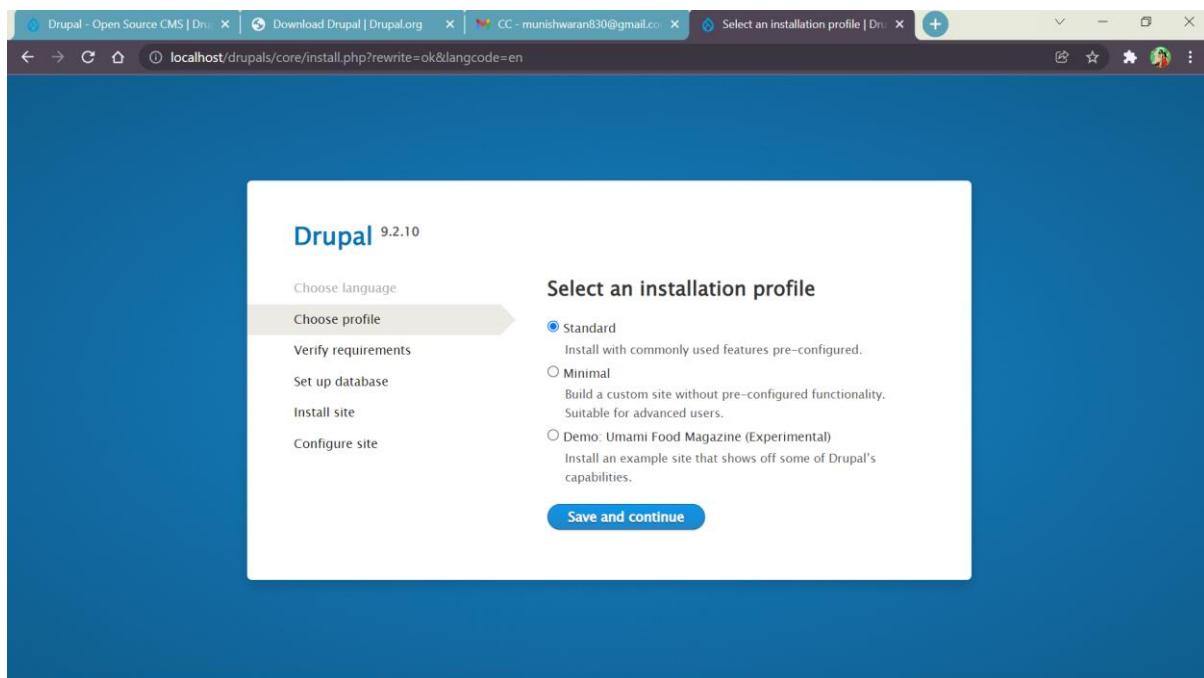
STEP 11: Go to c:\wamp64\www\drupal project. drupal project is the folder name paste the copied files inside the drupal project folder.

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

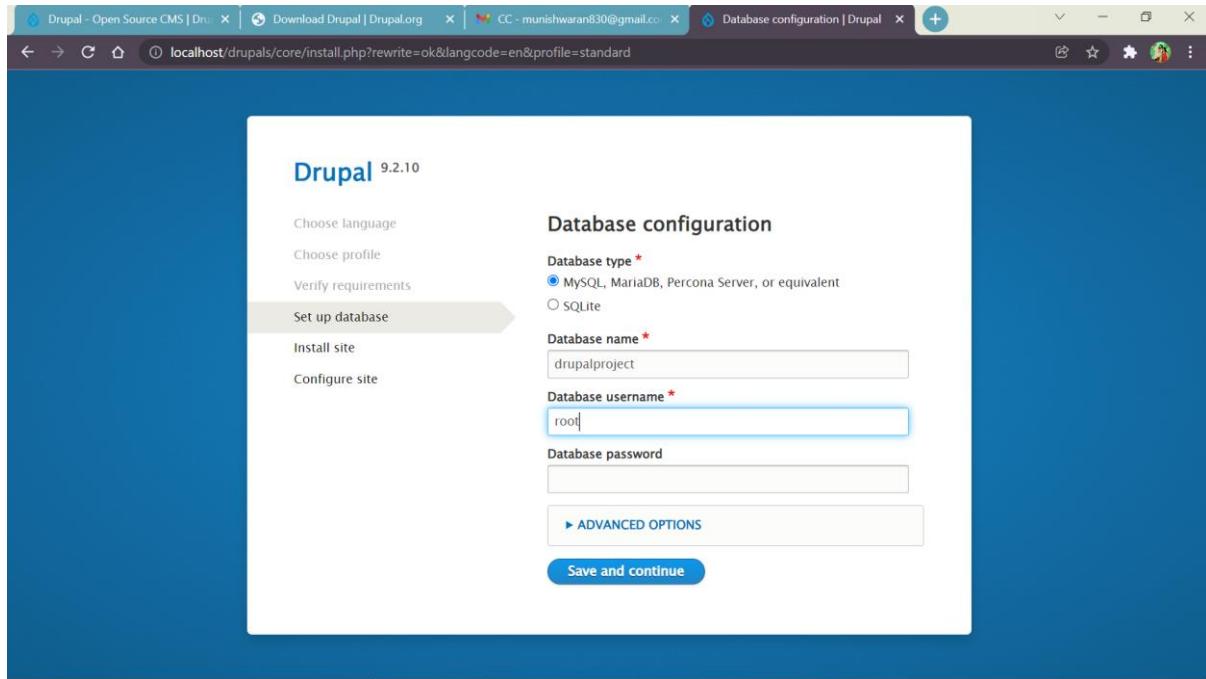
STEP 13: Drupal window is opened choose language English Then click save and continue button.



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

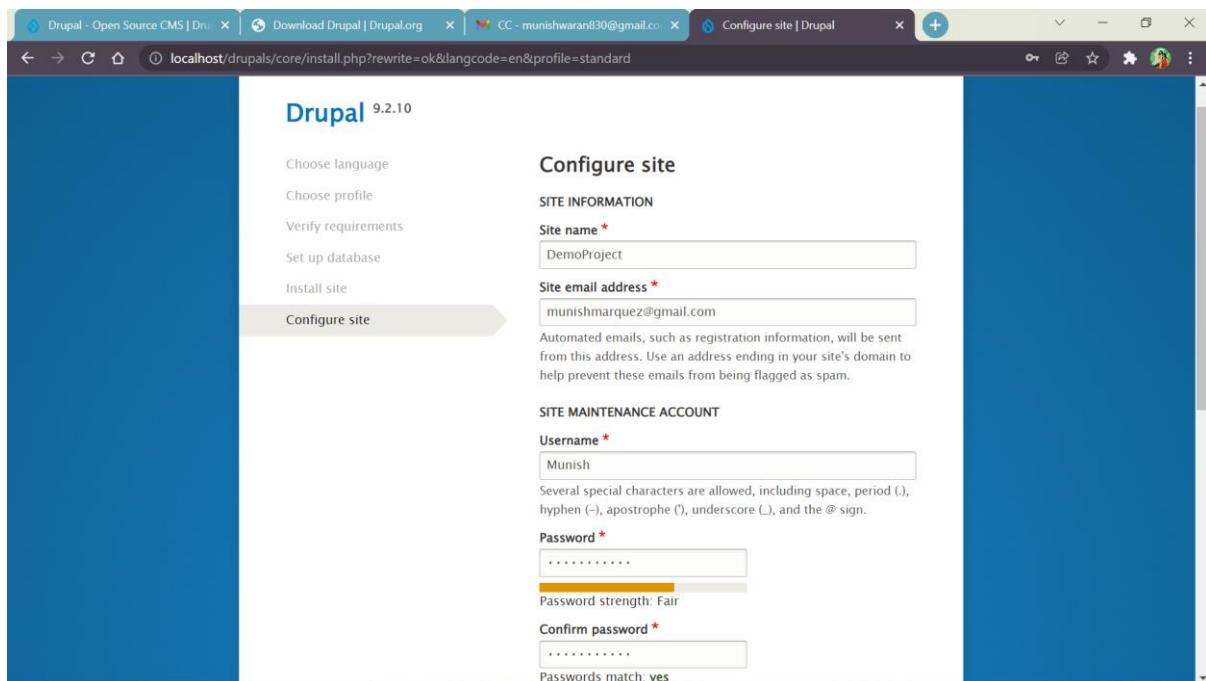


STEP 15: In database configuration, enter the database name we given already "root" and do not give password.

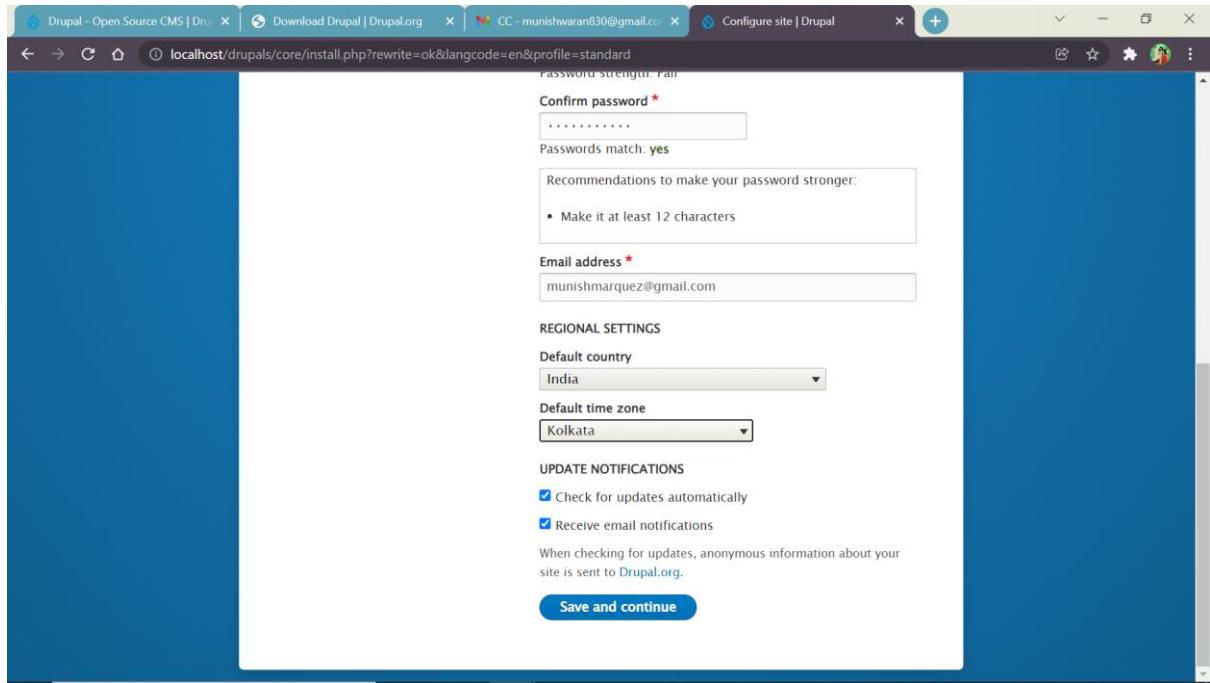


STEP 16: click save and continue button. Installing will started.

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.

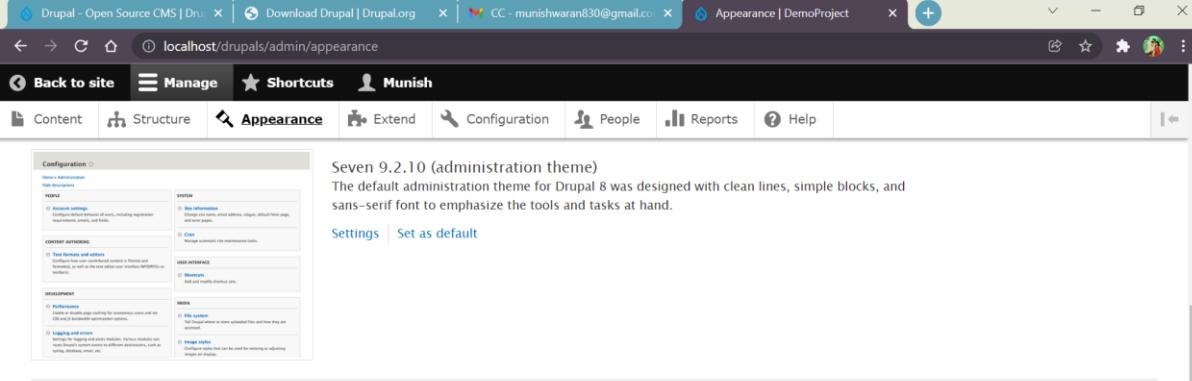


STEP 19: Click appearances option from the left side panel.

STEP 20: From Seven 9.2.7, Select set as default.

A screenshot of a web browser showing the Drupal 8 Appearance configuration page. The URL is localhost/drupal/admin/appearance. The page has tabs for Content, Structure, Appearance (selected), Extend, Configuration, People, Reports, Help, and a Back to site link. The Appearance section shows 'Seven 9.2.10 (administration theme)' as the default theme. It includes sections for SYSTEM (Site information, Clean), USER INTERFACE (Themes, Blank), and MEDIA (File system, Image styles). Below this is a 'Settings' link and a 'Set as default' link. The 'Uninstalled themes' section lists Claro 9.2.10 (experimental theme), Olivero 9.2.10 (experimental theme), and Stark 9.2.10. Each theme has an 'Install' and 'Install and set as default' link.

STEP 21: Under the list tab.



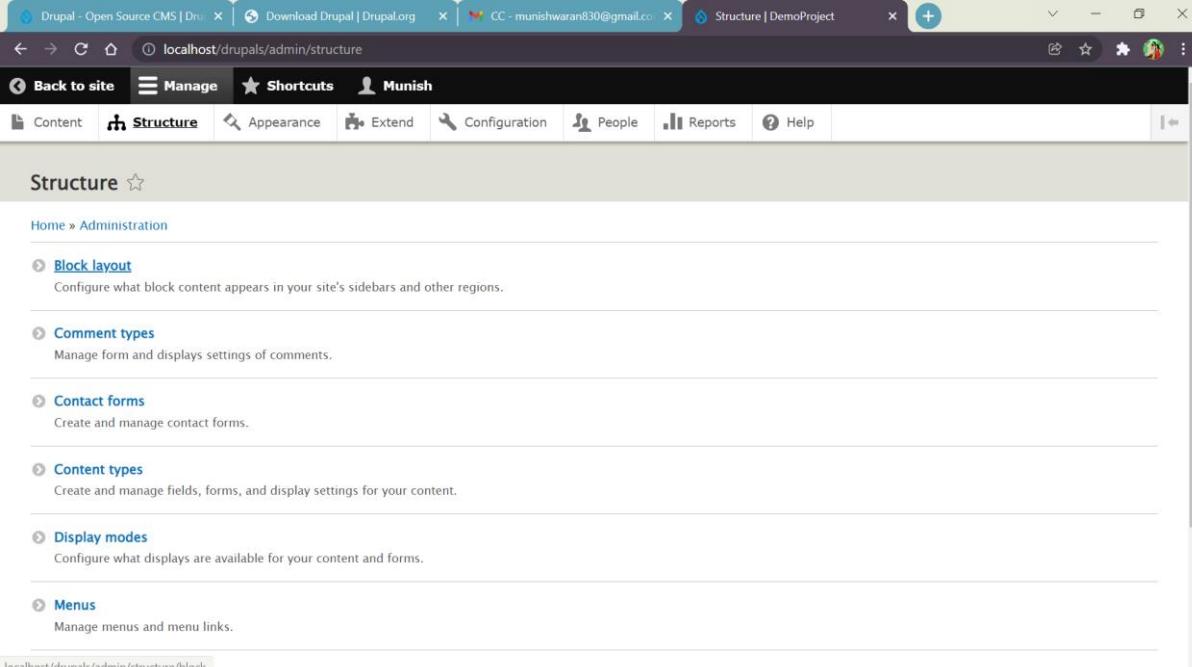
The screenshot shows the 'Appearance' settings page in a browser. The 'Configuration' tab is selected. On the left, there's a sidebar with sections like 'Input', 'Output', 'Content authoring', 'Performance', and 'Logging and errors'. The main content area displays the 'Seven 9.2.10 (administration theme)' configuration, which includes sections for 'System', 'User interface', and 'Media'. Below this, there's a 'Settings' link and a 'Set as default' button.

Uninstalled themes

- Claro 9.2.10 (experimental theme)**
A clean, accessible, and powerful Drupal administration theme.
[Install](#) | [Install and set as default](#)
- Olivero 9.2.10 (experimental theme)**
A clean, accessible, and flexible Drupal front-end theme.
[Install](#) | [Install and set as default](#)
- Stark 9.2.10**
An intentionally plain theme with no styling to demonstrate default Drupal's HTML and CSS. Learn how to build a custom theme from Stark in the [Theming Guide](#).

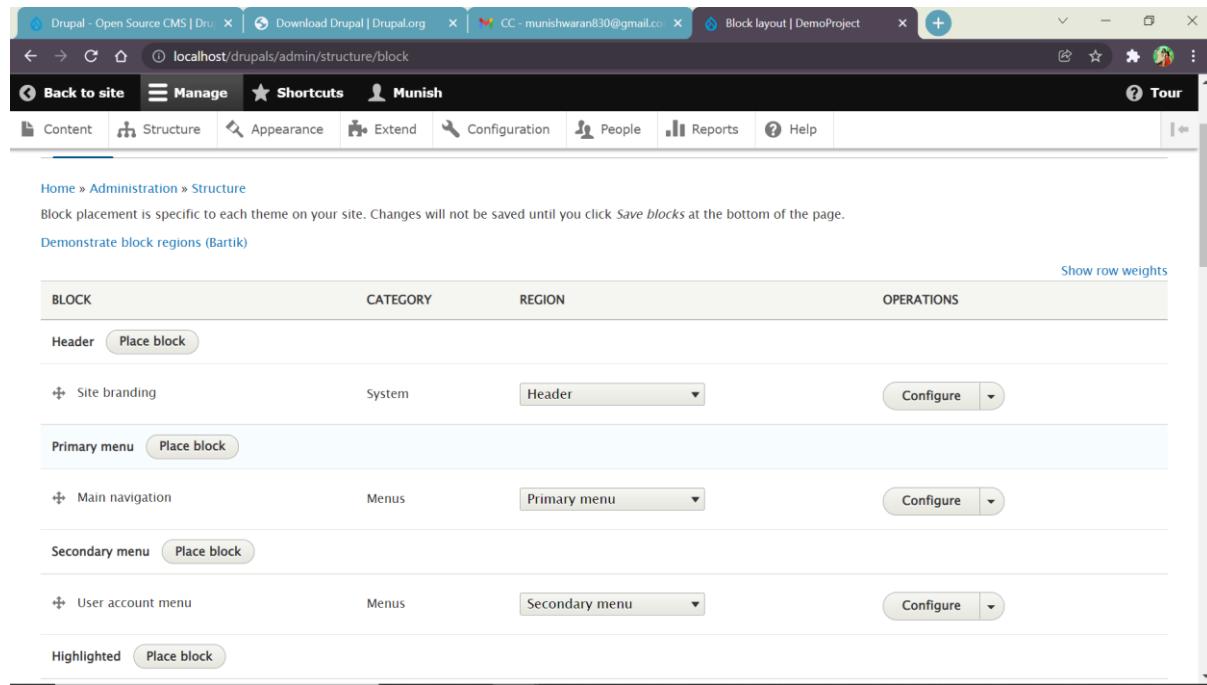
STEP 22: From the structure option from default panel click the block layout.

STEP 23: In block layout, click the custom block library tab.



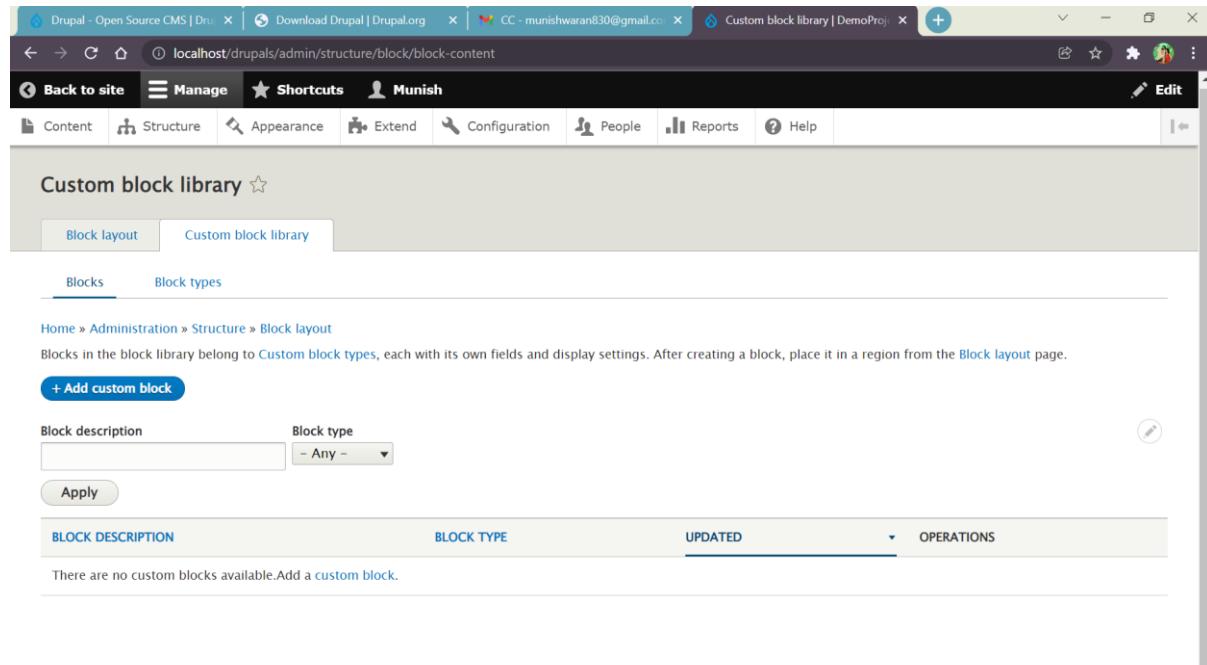
The screenshot shows the 'Structure' settings page in a browser. The 'Block layout' tab is selected. The page lists several configuration options: 'Block layout' (Configure what block content appears in your site's sidebars and other regions), 'Comment types' (Manage form and displays settings of comments), 'Contact forms' (Create and manage contact forms), 'Content types' (Create and manage fields, forms, and display settings for your content), 'Display modes' (Configure what displays are available for your content and forms), and 'Menus' (Manage menus and menu links). The URL in the address bar is 'localhost/drupal/admin/structure/block'.

STEP 24: Then click Add custom block library tab.



The screenshot shows the 'Block layout' page in the Drupal admin interface. The URL is 'localhost/drupal/admin/structure/block'. The page displays a table of blocks and their placement regions. The columns are: BLOCK, CATEGORY, REGION, and OPERATIONS. The blocks listed are: Header (Place block), Site branding (System, Header, Configure), Primary menu (Place block), Main navigation (Menus, Primary menu, Configure), Secondary menu (Place block), User account menu (Menus, Secondary menu, Configure), and Highlighted (Place block). A 'Show row weights' link is at the top right of the table.

STEP 25: From Add custom block, Given block description lower content.



The screenshot shows the 'Custom block library' page in the Drupal admin interface. The URL is 'localhost/drupal/admin/structure/block-block-content'. The page has tabs for 'Block layout' (selected) and 'Custom block library'. Under 'Block layout', there are tabs for 'Blocks' (selected) and 'Block types'. The main content area shows a table with columns: BLOCK DESCRIPTION, BLOCK TYPE, and OPERATIONS. A message at the bottom says 'There are no custom blocks available. Add a custom block.' A 'Block description' input field and a 'Block type' dropdown ('- Any -') are at the top left. A '+ Add custom block' button is at the top center. A 'Save' icon is at the top right.

STEP 26: Inside the body gives information you need click save button.

The screenshot shows the Drupal admin interface for adding a custom block. The URL in the browser is `localhost/drups/block/add?destination=/drups/admin/structure/block/block-content`. The page title is "Add custom block | DemoProject". The top navigation bar includes "Manage", "Shortcuts", and the user "Munish". Below the navigation is a toolbar with links for Content, Structure, Appearance, Extend, Configuration, People, Reports, and Help. A sub-menu for "Cloud Computing Lab" is visible. The main content area has a heading "body p". A "Text format" dropdown is set to "Basic HTML". To the right is a link "About text formats". Below this is a section titled "Revision information" with a note "No revision". To the right is a "Revision log message" field containing the placeholder "The log entry explaining the changes in this revision." At the bottom left is a blue "Save" button.

STEP 27: Again open the block layout lab, click place block button is pre content.

The screenshot shows the Drupal admin interface for managing block layouts. The URL is `localhost/drups/admin/structure/block`. The page title is "Block layout | DemoProject". The top navigation bar includes "Back to site", "Manage", "Shortcuts", and the user "Munish". Below the navigation is a toolbar with links for Content, Structure, Appearance, Extend, Configuration, People, Reports, and Help. A note at the top states "BLOCK PLACEMENT IS SPECIFIC TO EACH THEME ON YOUR SITE. CHANGES WILL NOT BE SAVED UNTIL YOU CLICK 'SAVE BLOCKS' AT THE BOTTOM OF THE PAGE." Below this is a section titled "Demonstrate block regions (Bartik)". A "Show row weights" link is at the top right. The main content is a table with columns: BLOCK, CATEGORY, REGION, and OPERATIONS. The table rows are: Header (Category: System, Region: Header, Operations: Configure), Site branding (Category: System, Region: Header, Operations: Configure), Primary menu (Category: Menus, Region: Primary menu, Operations: Configure), Secondary menu (Category: Menus, Region: Secondary menu, Operations: Configure), User account menu (Category: Menus, Region: Secondary menu, Operations: Configure), and Status messages (Category: System, Region: Highlighted, Operations: Configure). The "Place block" button is highlighted for the "Header" block.

STEP 28: In place block popup, search the description in the search bar (created we created).

The screenshot shows the 'Place block' modal window. At the top, there are tabs for 'Page title', 'Primary admin actions', 'Tabs', 'CC', 'Search form', 'User login', 'Help', 'Recent comments', 'Recent content', and 'Who's online'. Each tab has a 'Place block' button next to it. Below these tabs, there are two sections: 'BLOCK' and 'Menus'. Under 'BLOCK', there are sections for 'Header' (selected), 'Site branding', 'Primary menu', and 'Main navigation', each with a 'Place block' button. Under 'Menus', there is a 'Primary menu' section with a 'Place block' button. On the right side of the modal, there is a 'Configure' button.

STEP 29: Click the place block button under the operation column.

The screenshot shows the 'Configure block' modal window. It has a 'Block description: CC' header. Under 'Title', the value 'CC' is entered, and the 'Display title' checkbox is checked. Under 'Visibility', there are two columns: 'Content types' (Not restricted) and 'Pages' (Not restricted). Under 'Roles', it says 'Not restricted'. At the bottom, there is a 'Region' dropdown set to 'Header' with a note: 'Select the region where this block should be displayed.' A 'Save block' button is at the bottom left.

STEP 30: Specify the region (i.e. CC) where our content to be displayed.

The screenshot shows the 'Block layout' configuration page in a web browser. The URL is 'localhost/drupal/admin/structure/block/list/bartik?block-placement=cc'. The page displays five footer regions: 'Footer second', 'Footer third', 'Footer fourth', and 'Footer fifth'. Each region has a 'Place block' button. Below these are two additional sections: 'Footer menu' (under Menus) and 'Powered by Drupal' (under System), each with its own 'Configure' dropdown and 'Place block' button. A large blue 'Save blocks' button is at the bottom left.

STEP 31: Click save block.

STEP 32: Now, refresh the website and run the drupal Project using localhost / drupal project.

RESULT:

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

EXPERIMENT NO : 12

DATE : 25/11/2021

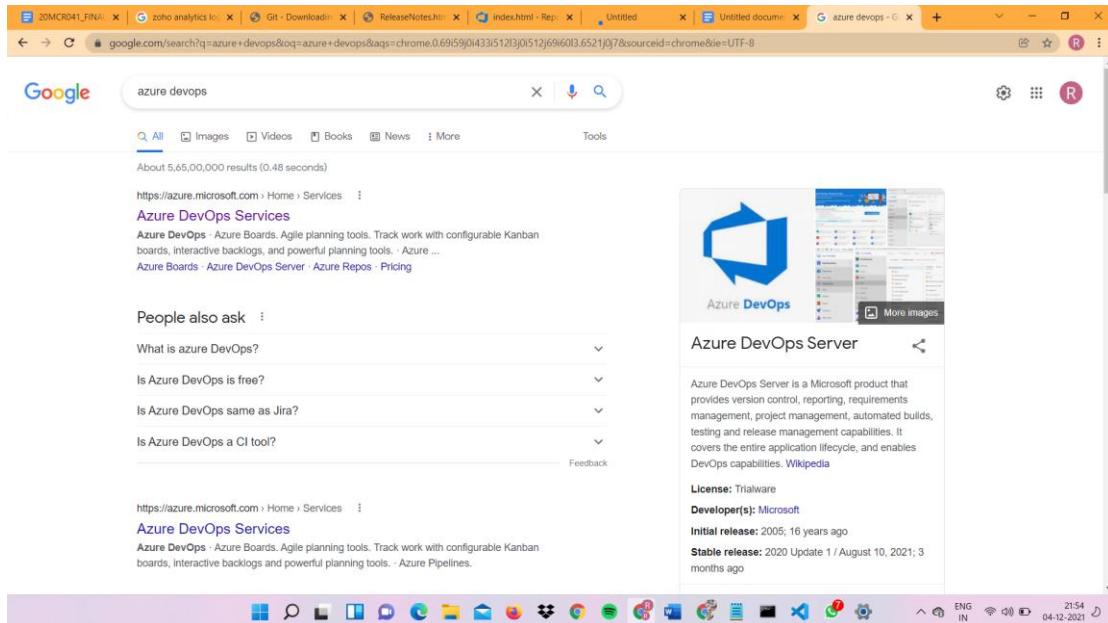
WEB APPLICATION DEPLOYMENT USING AZURE DEVOPS

AIM:

To create a web application deployment using azure devops.

ALGORITHM:

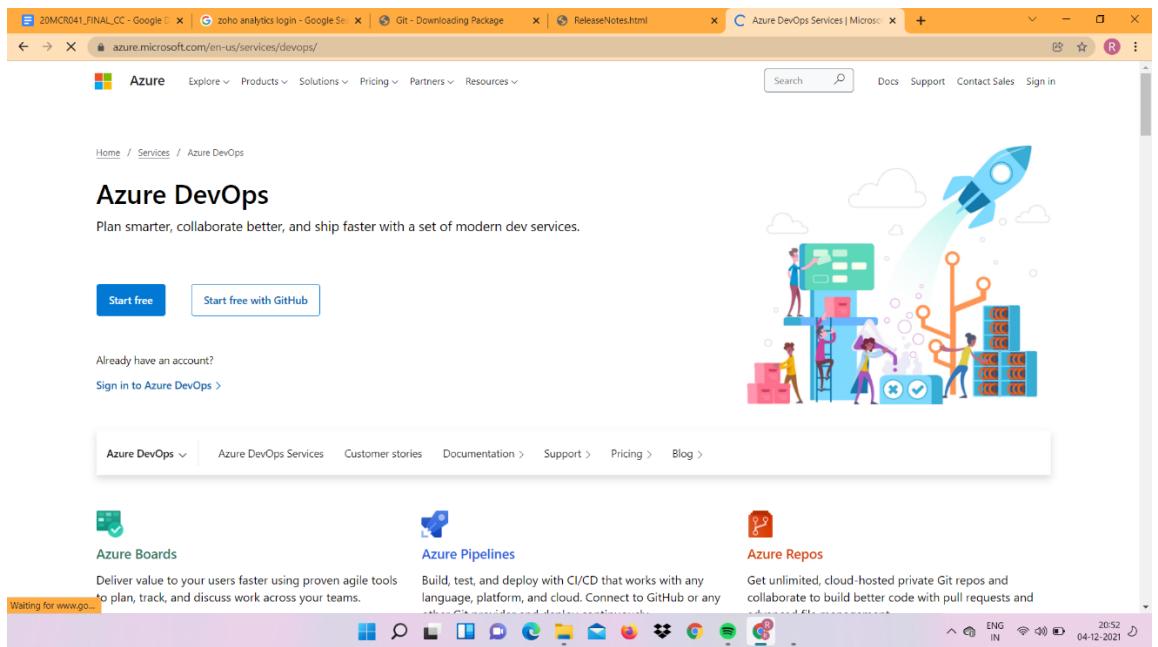
Step 1: Go to <https://azure.microsoft.com/en-us/services/devops/>



Step 2: Open an Account in MicroSoft.

Step 3: The Sign in to the MicroSoft account.

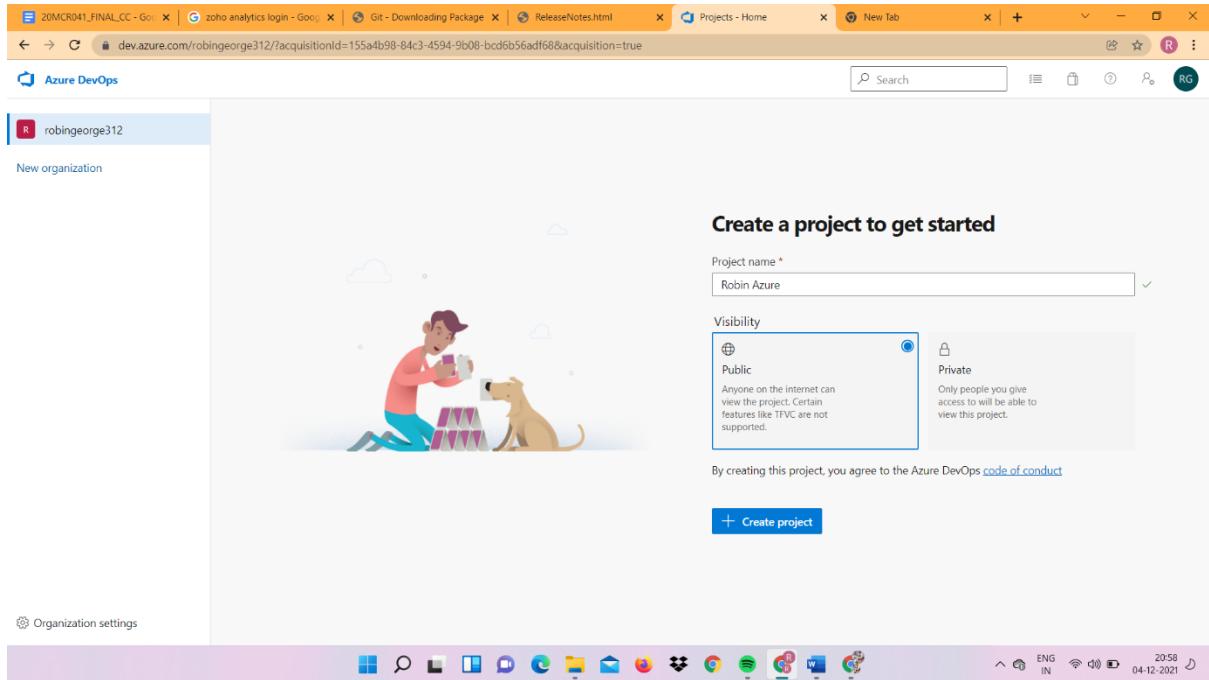
Step 4: Then Click Start Free



Step 5: Now click the new project

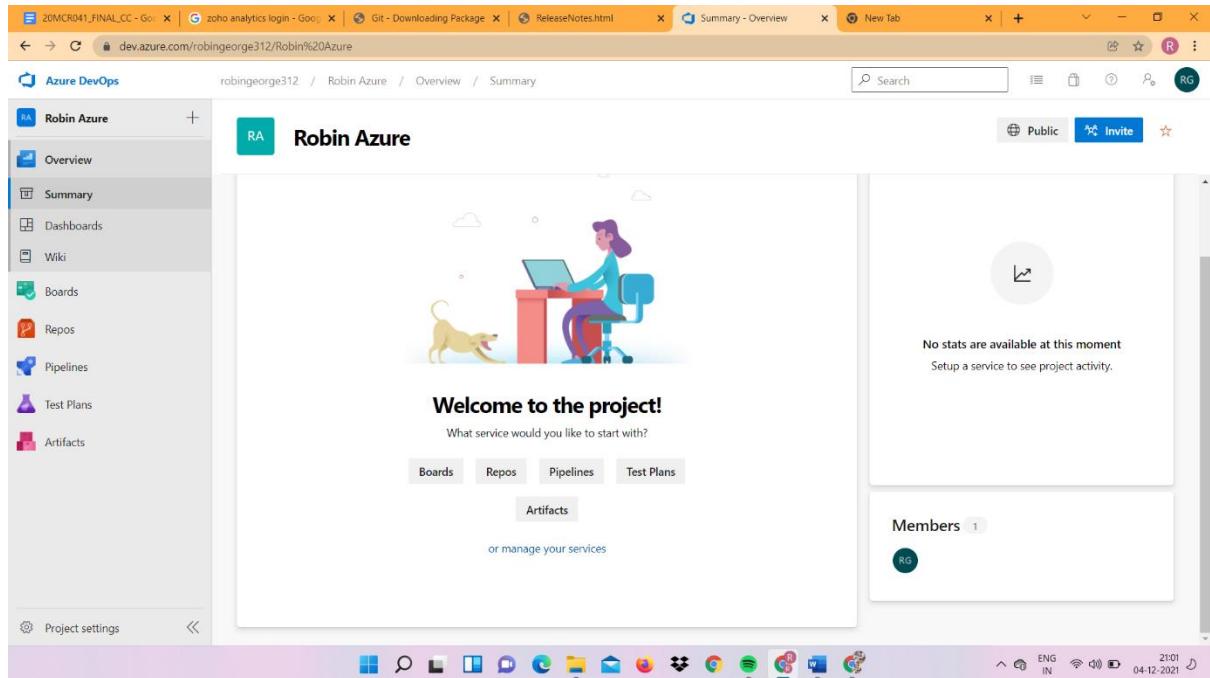
Step 6: Give the project name

Step 7: Then click create



Step 8: Now your project has been created.

Step 9: Go to Repos.



RESULT:

Using Azure Devops a web application has been deployed successfully.