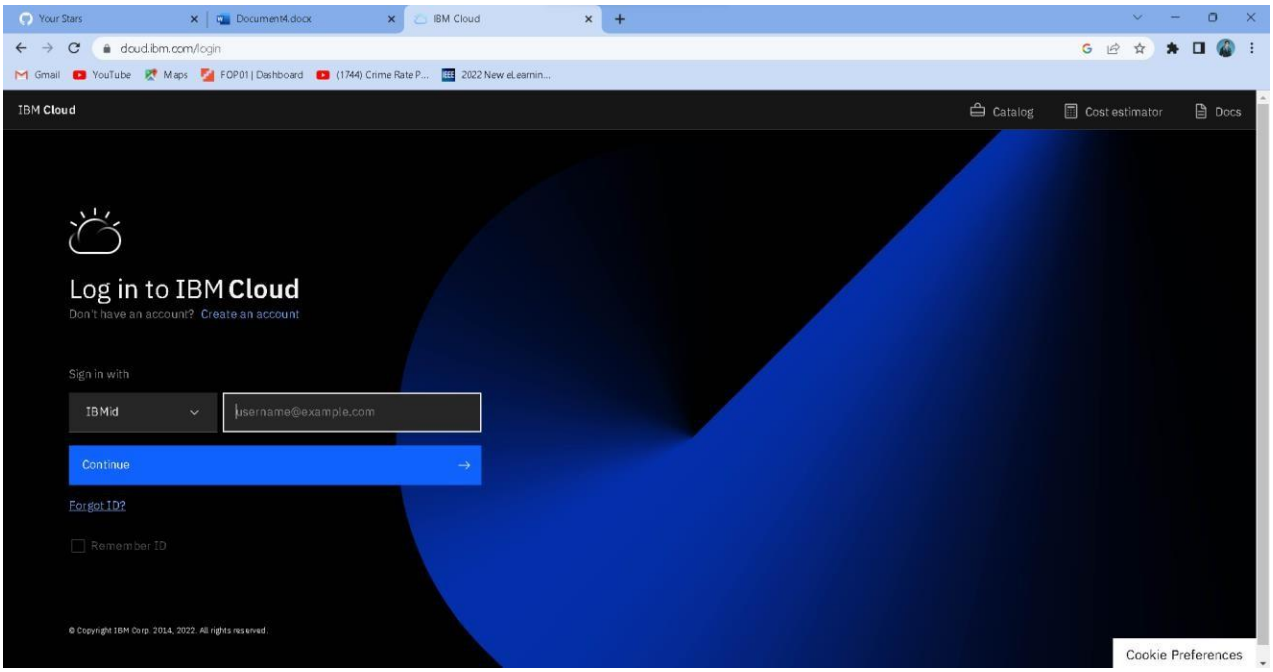
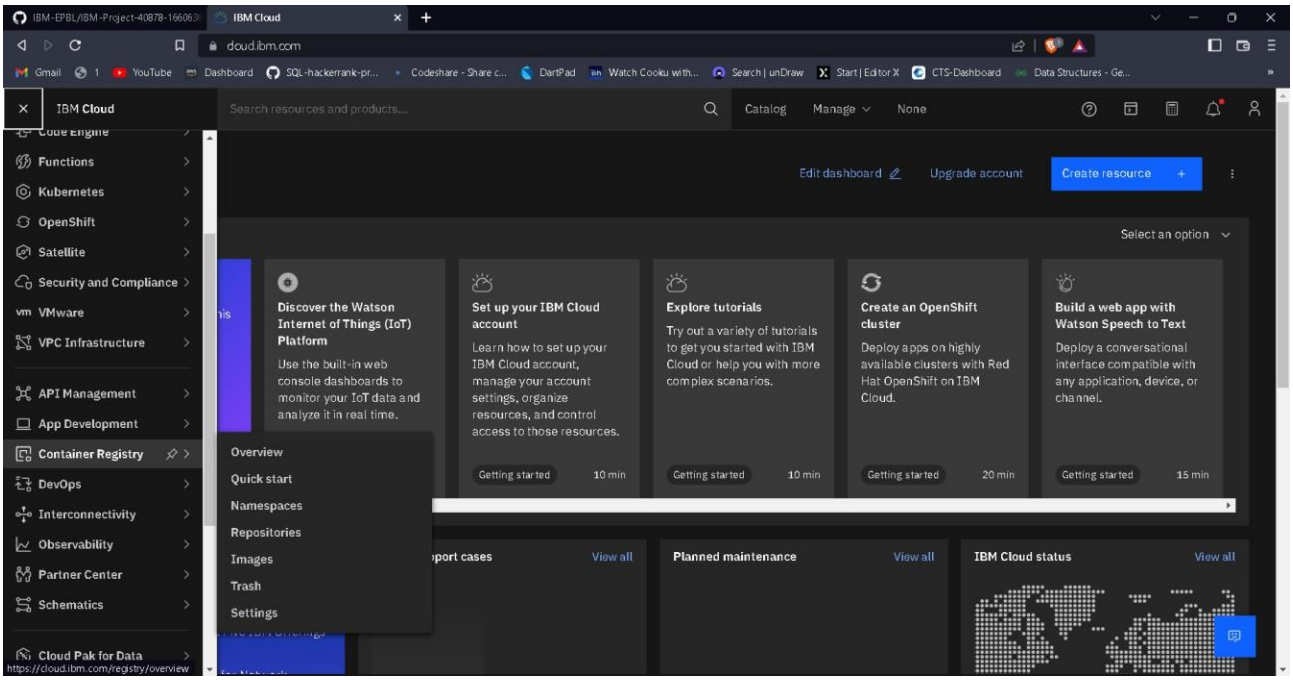
SETTING UP AN APPLICATION ENVIRONMENT

1. IBM CLOUD CLI INSTALLATION:

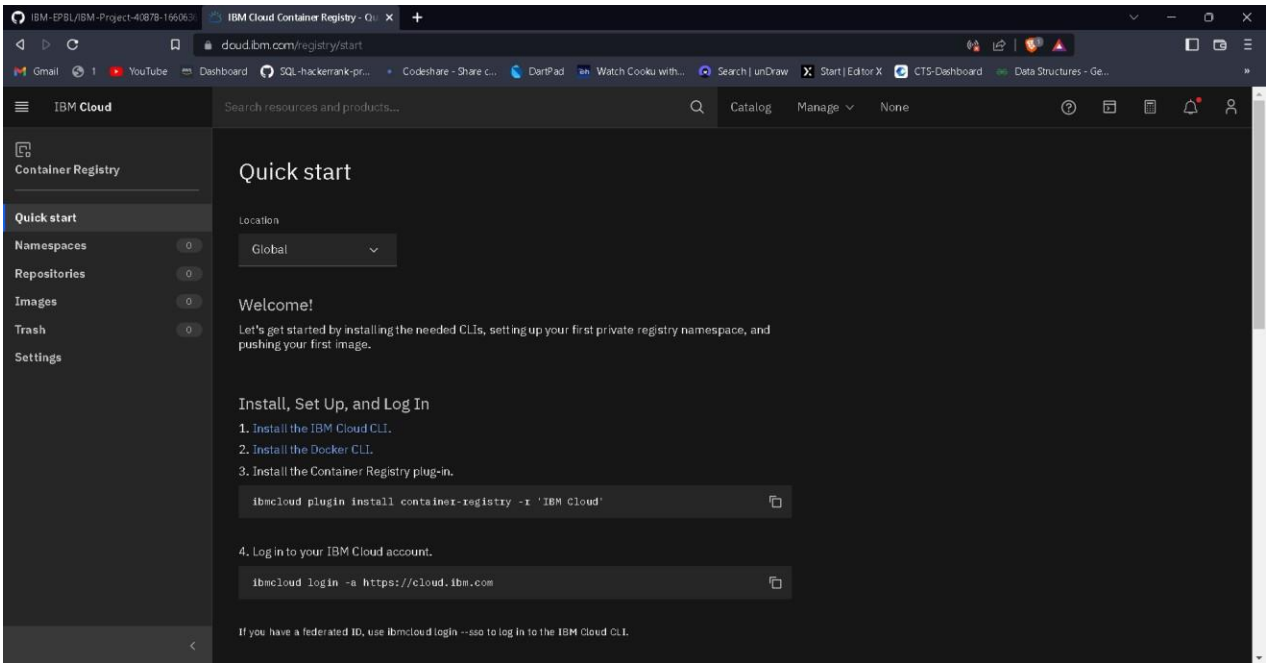
Step1: Log in to the IBM cloud



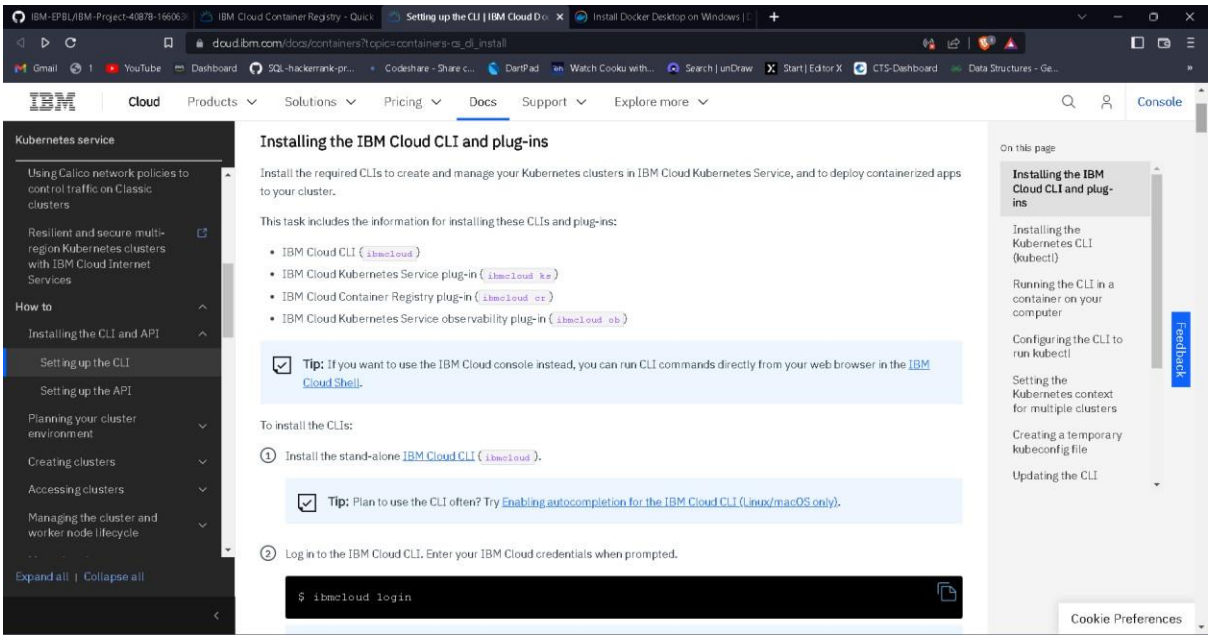
Step 2: Select container registry



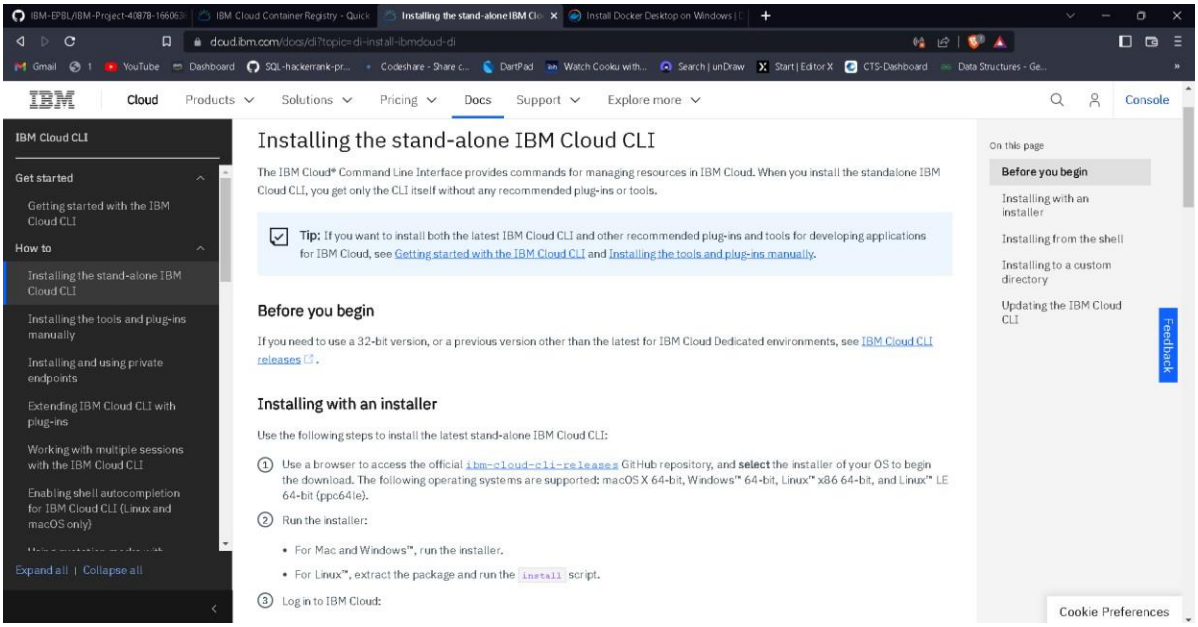
Step3: Select QuickStart to open container registry and click on installIBM Cloud CLI



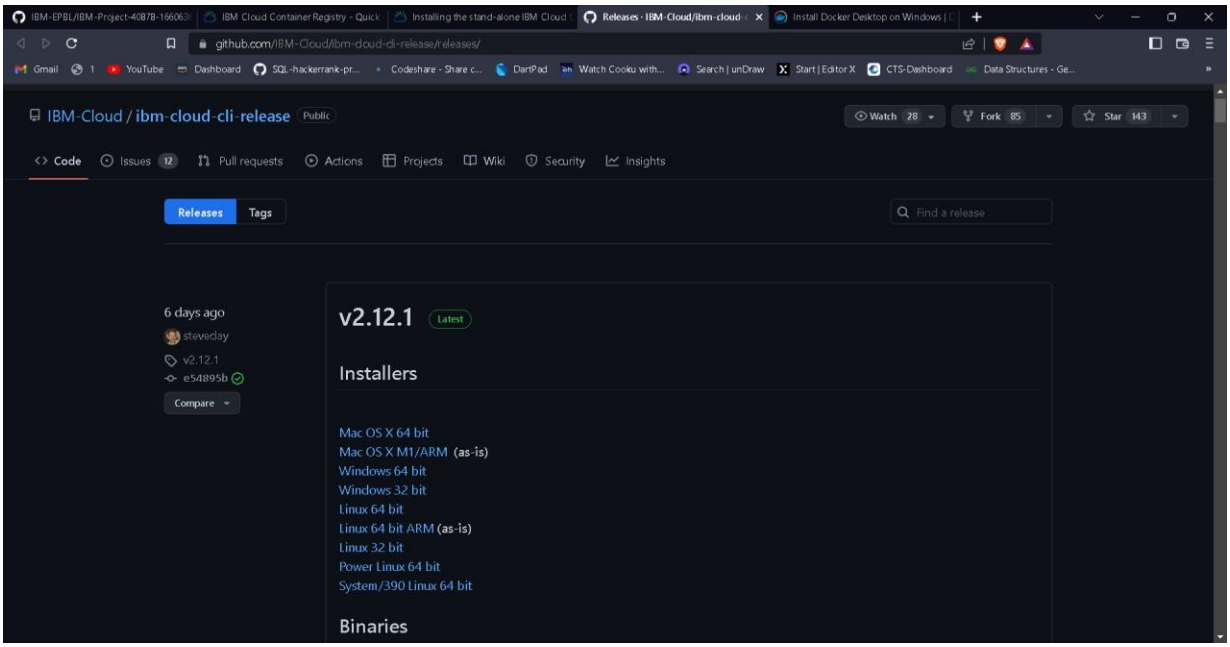
Step 4: Click on IBM Cloud CLI



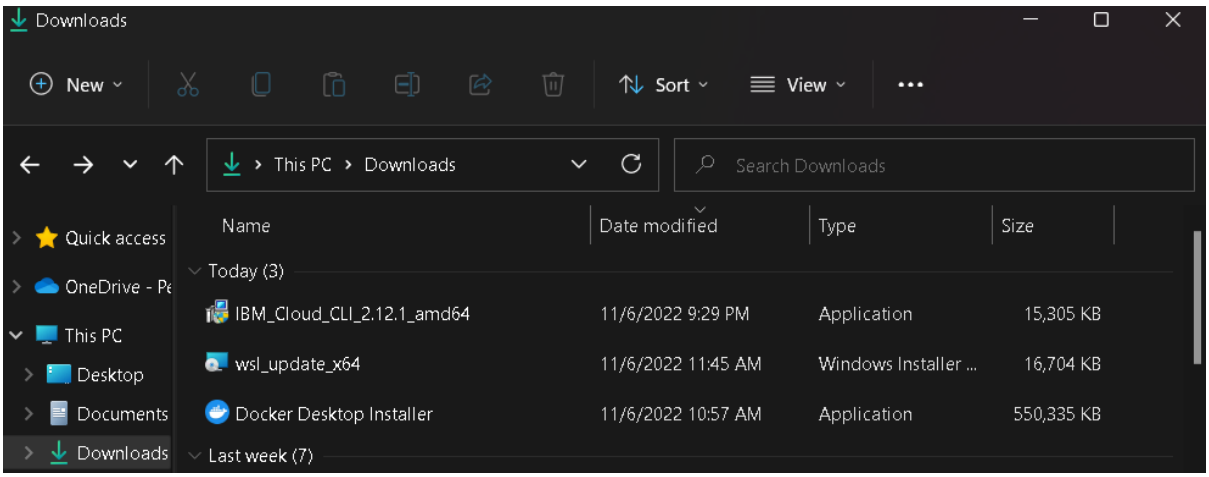
Step 5: And then, Click on IBM Cloud CLI releases



Step 6: After that, the GitHub page will open and download the IBMCLI installer by selecting as per your system required installer.

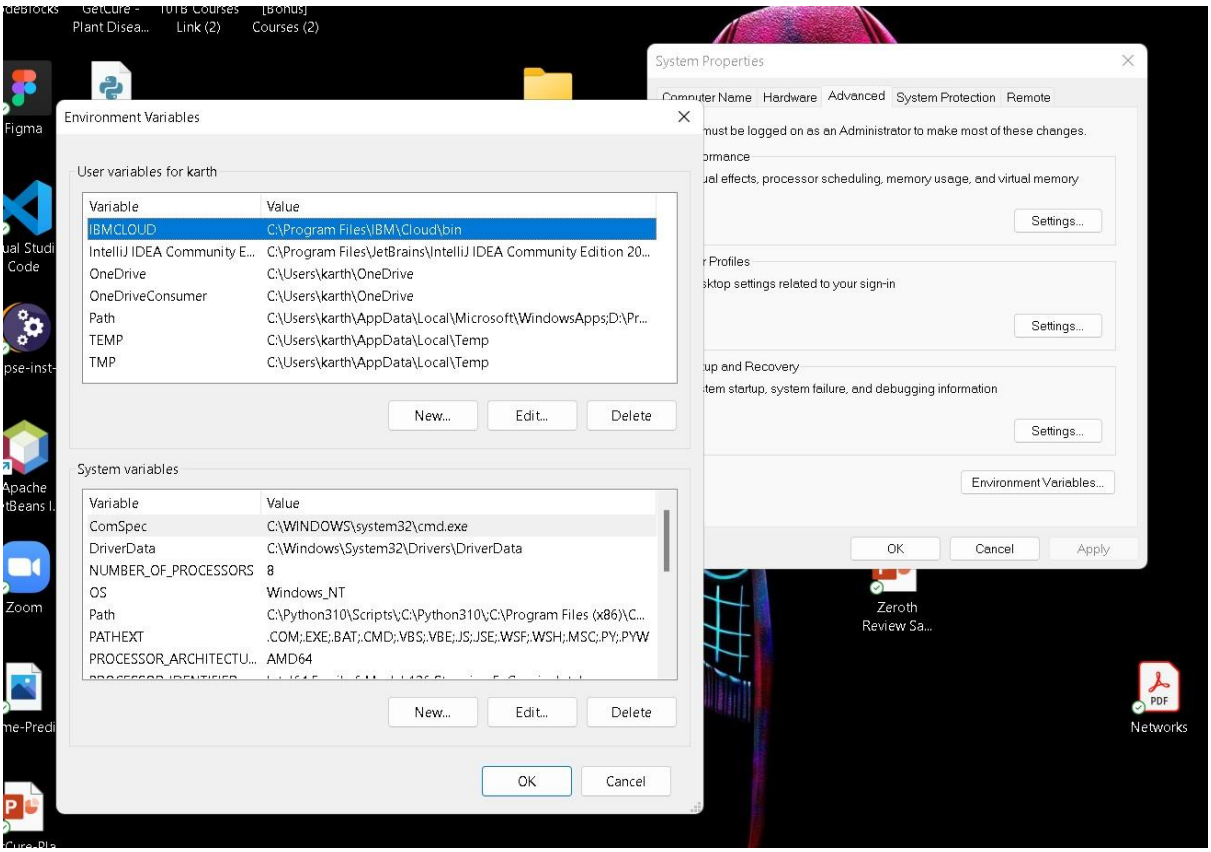


Step 7: After the download, Click the downloaded setup to run theinstaller.



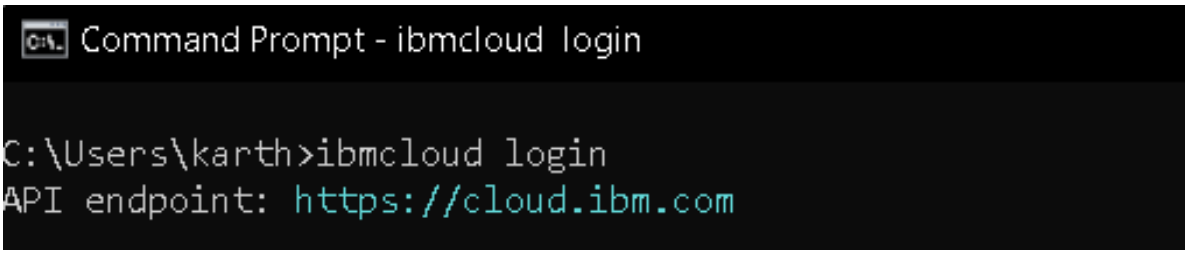
Step 8: After the installation set environment variable and then openCMD (Windows). Type this command to login in IBM cloud

“ibmcloud login”



In the variable name, name it as “IBM Cloud” and in variable valuethe path location of the IBM.

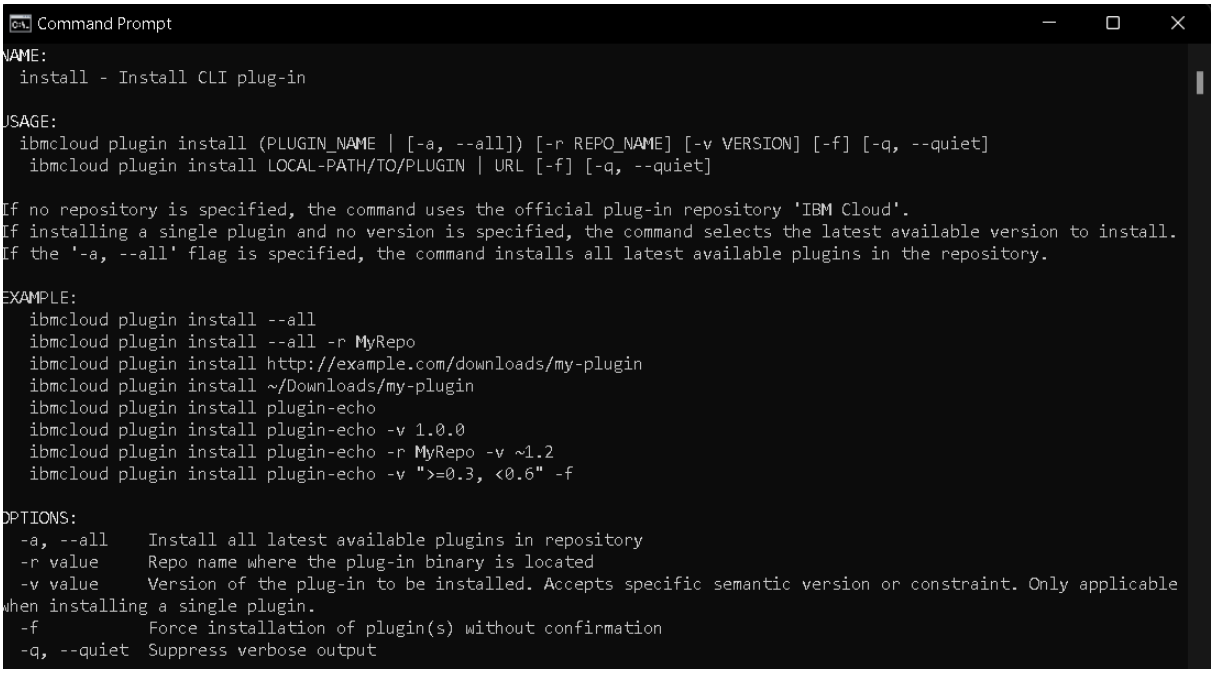
Step 9: Enter your IBM cloud email id and password, then it will authenticate and signals “OK”. The number of regions will display,select one of them for your targeted account.




```
C:\Users\karth>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: us-east

Email> donaldvj17@gmail.com

Password>
Authenticating...
OK

Targeted account None (3de90de6135b45488710630b2d0e4372)


API endpoint:      https://cloud.ibm.com
Region:            us-east
User:              donaldvj17@gmail.com
Account:           None (3de90de6135b45488710630b2d0e4372)
Resource group:    No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:
```

Step 10: Then copy the plugin command in your container registry(where the command displayed in your container registry which isopened on web browser) and paste and run it on cmd.

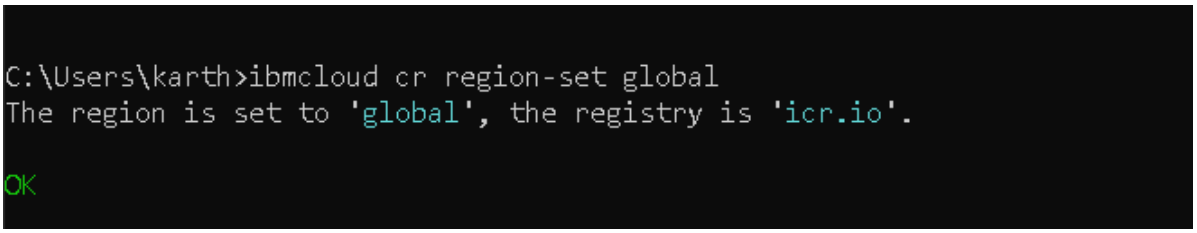
“ibmcloud plugin install container-registry -r”



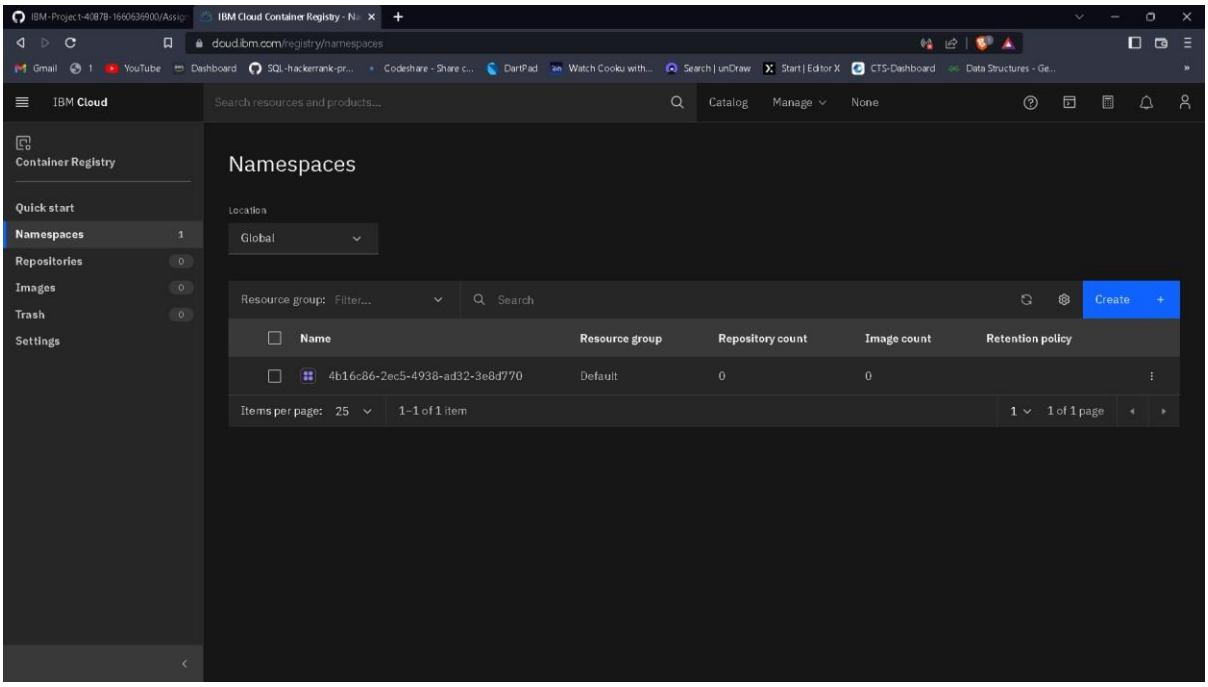
Step 11: Set your region to

global.“ibmcloud cr region-

set global”

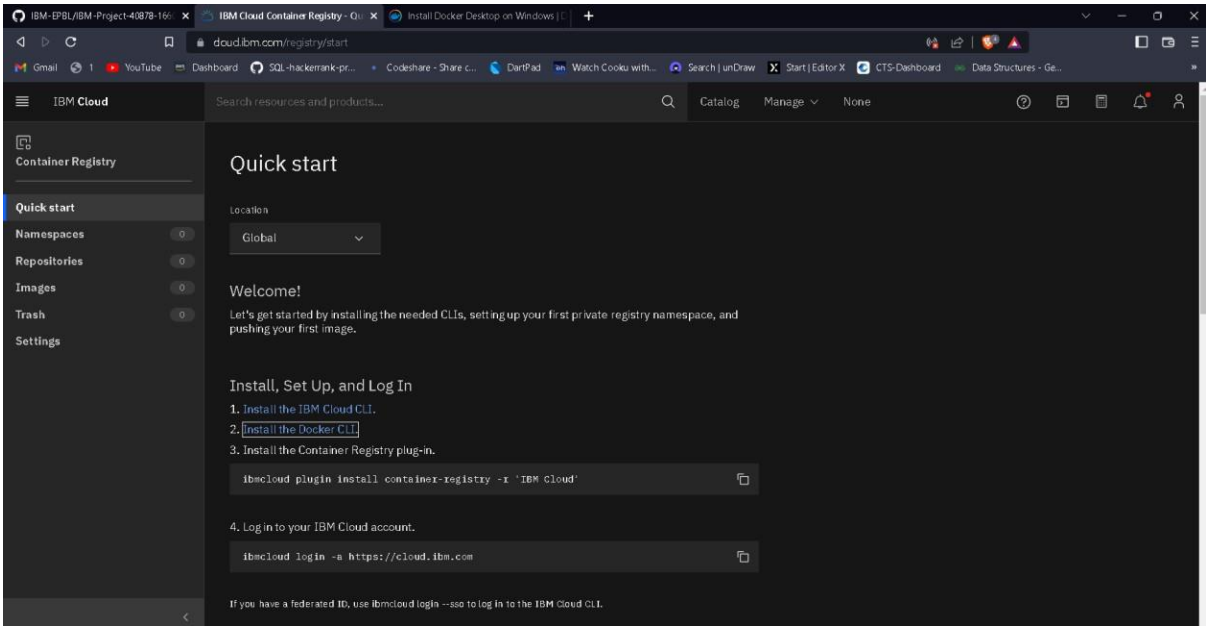


Step 12: Create namespace in your container registry

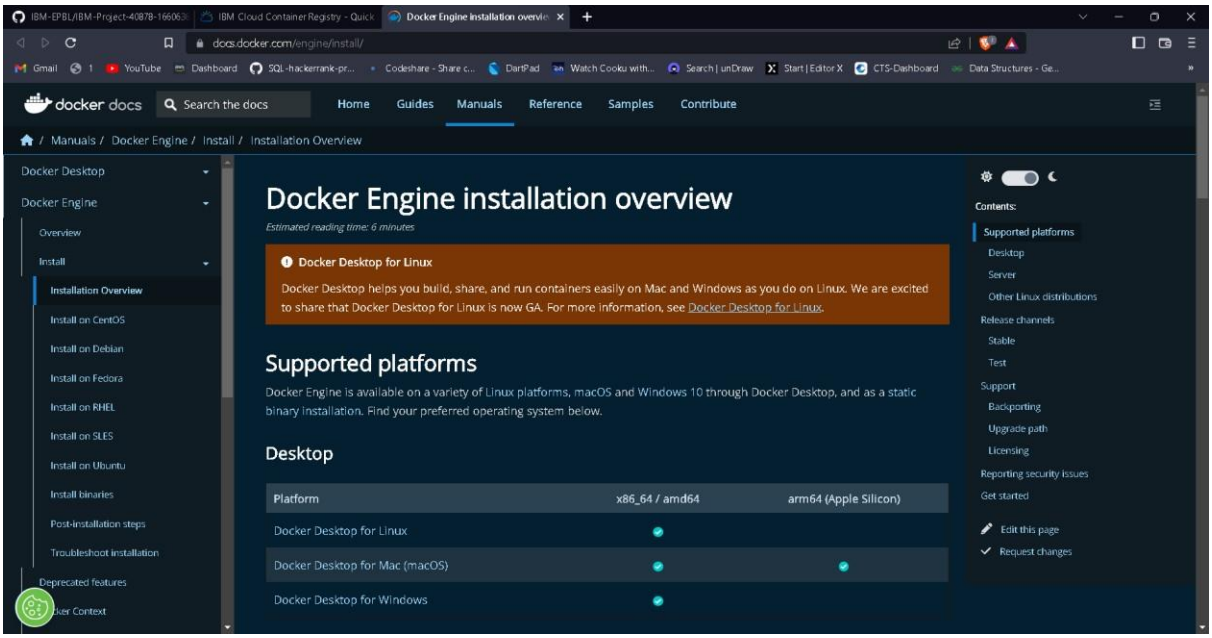


2. DOCKER CLI INSTALLATION:

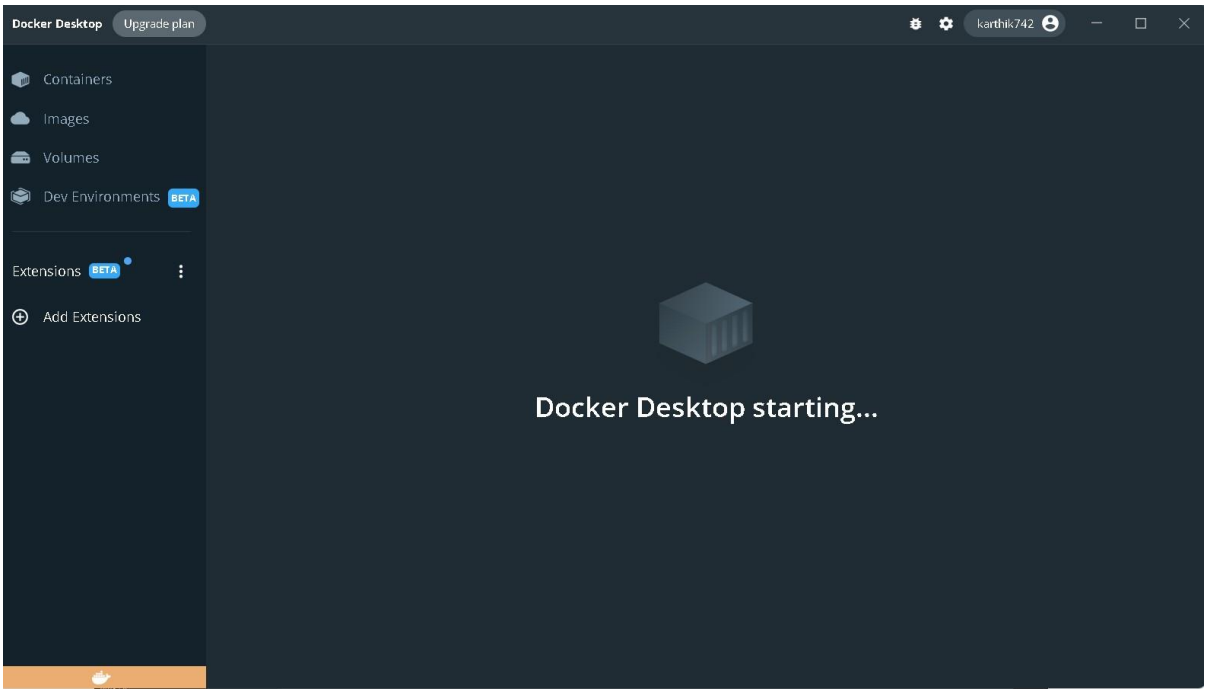
Step1: Open container registry in IBM cloud and click on Install DockerCLI.



Step 2: Then, click on required installer for your specified system anddownload it.

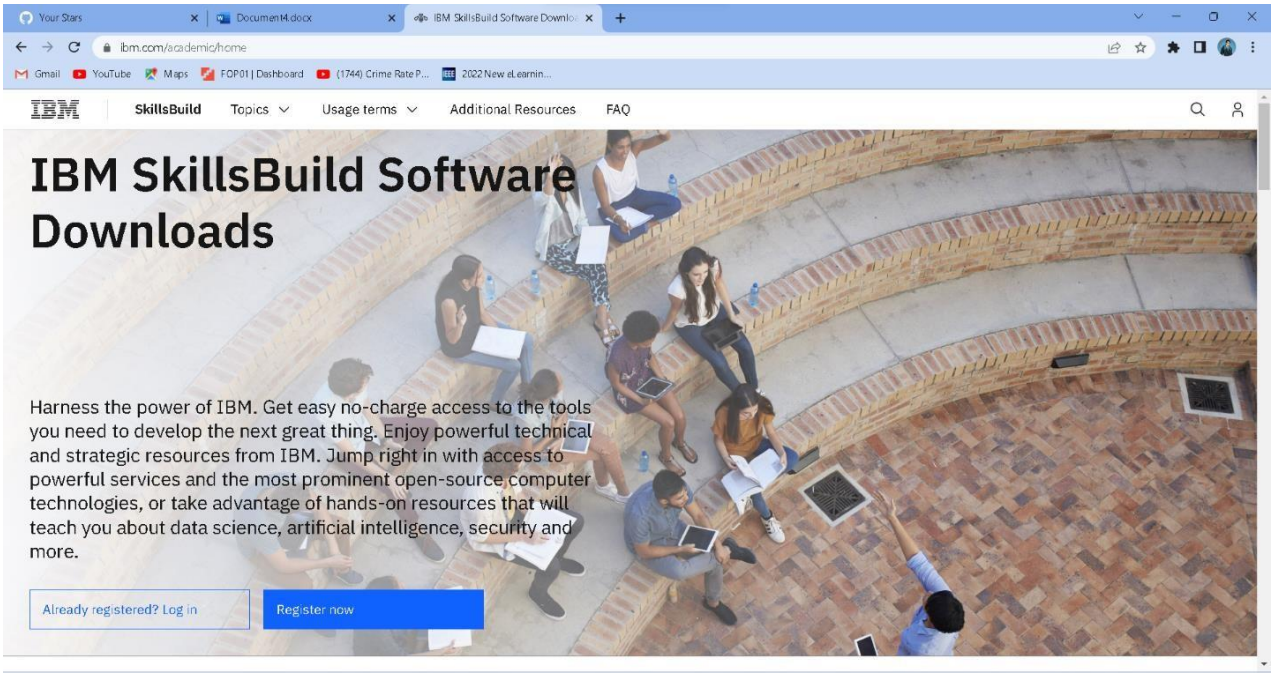


Step 3: After the setup download, run the setup and then open it andpush the images, create the repositories.

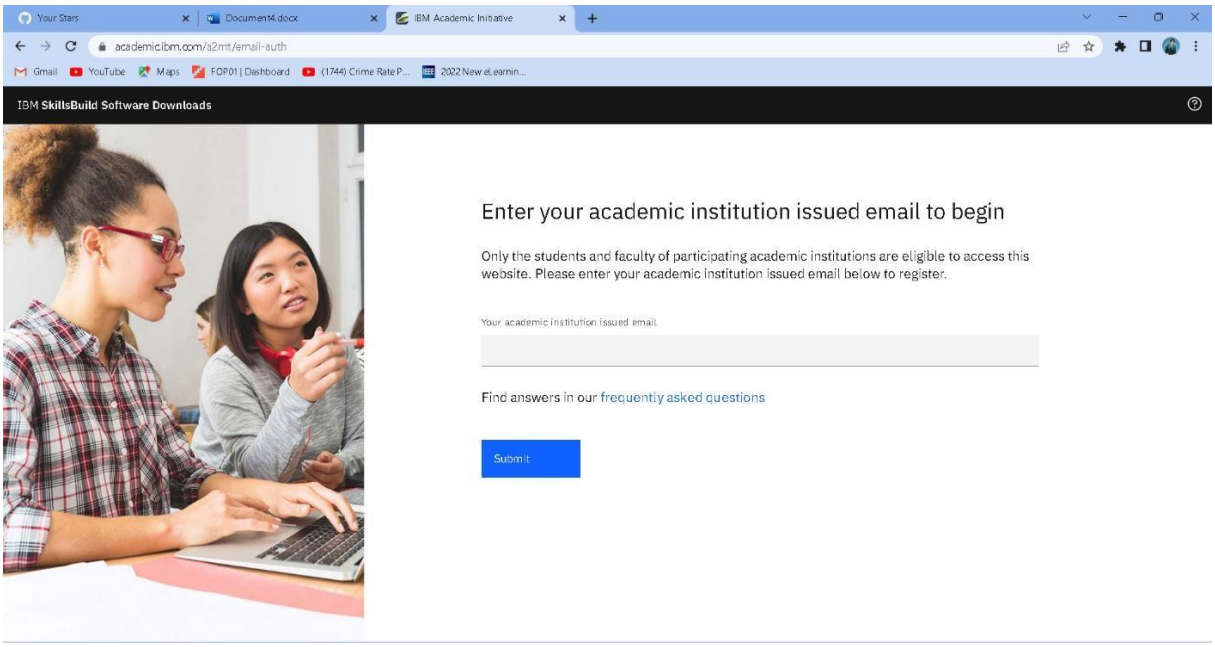


3.IBM CLOUD ACCOUNT CREATION:

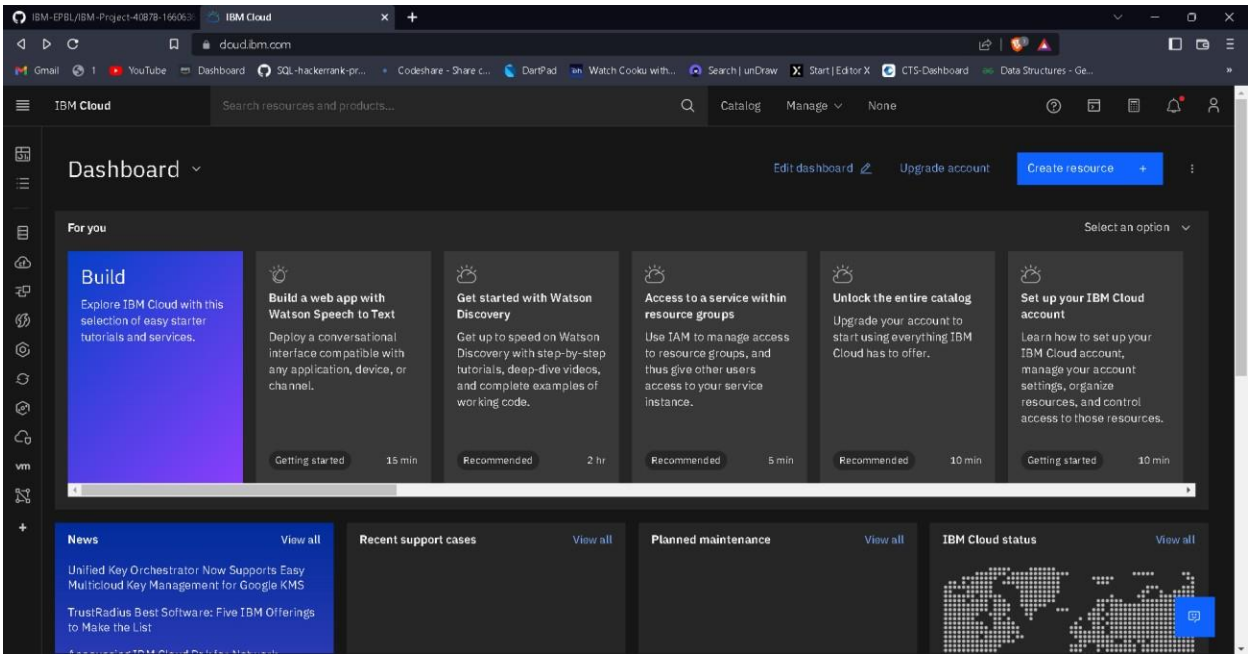
Step 1: Search for “ibm.com/academic” in the browser.



Step 2: Enter the mail issued by the academic institution and follow the procedure for entering the details which is provided as video link in yourIBM profile.

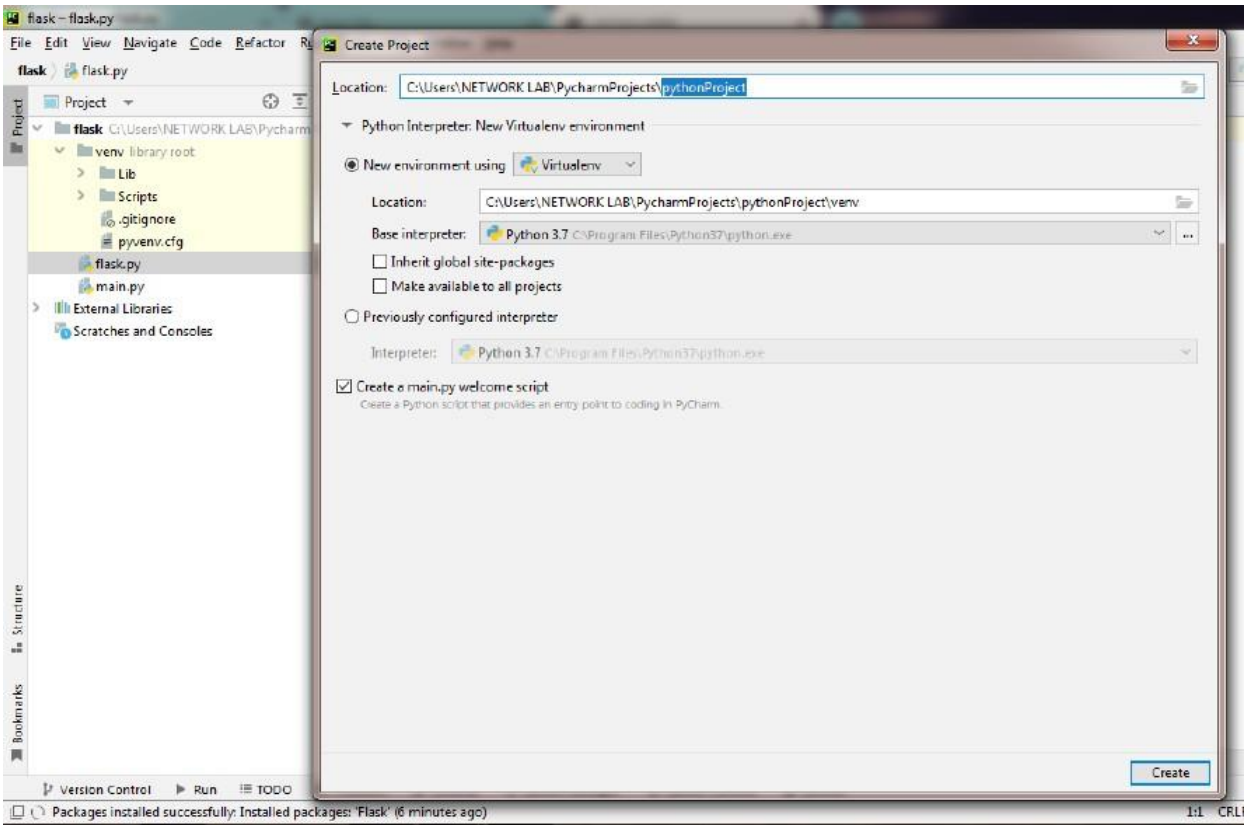

Your Stars
Document4.docx
IBM Academic Initiative
academicibm.com/a2mt/email-auth
Gmail
YouTube
Maps
FOP01 | Dashboard
(1744) Crime Rate P...
2022 New eLearnin...
IBM SkillsBuild Software Downloads
Enter your academic institution issued email to begin
Only the students and faculty of participating academic institutions are eligible to access this website. Please enter your academic institution issued email below to register.
Your academic institution issued email
Find answers in our frequently asked questions
Submit

Step 3: After following the procedure that is given in reference video,your IBM cloud account will created.



4.CREATING A FLASK PROJECT:

Step1: Open PyCharm in your desktop and create new project folder



Step 2: Enter the following code to create the flask

projectfrom flask import Flask

app = Flask(_name_)

@app.route("/")

def hello():

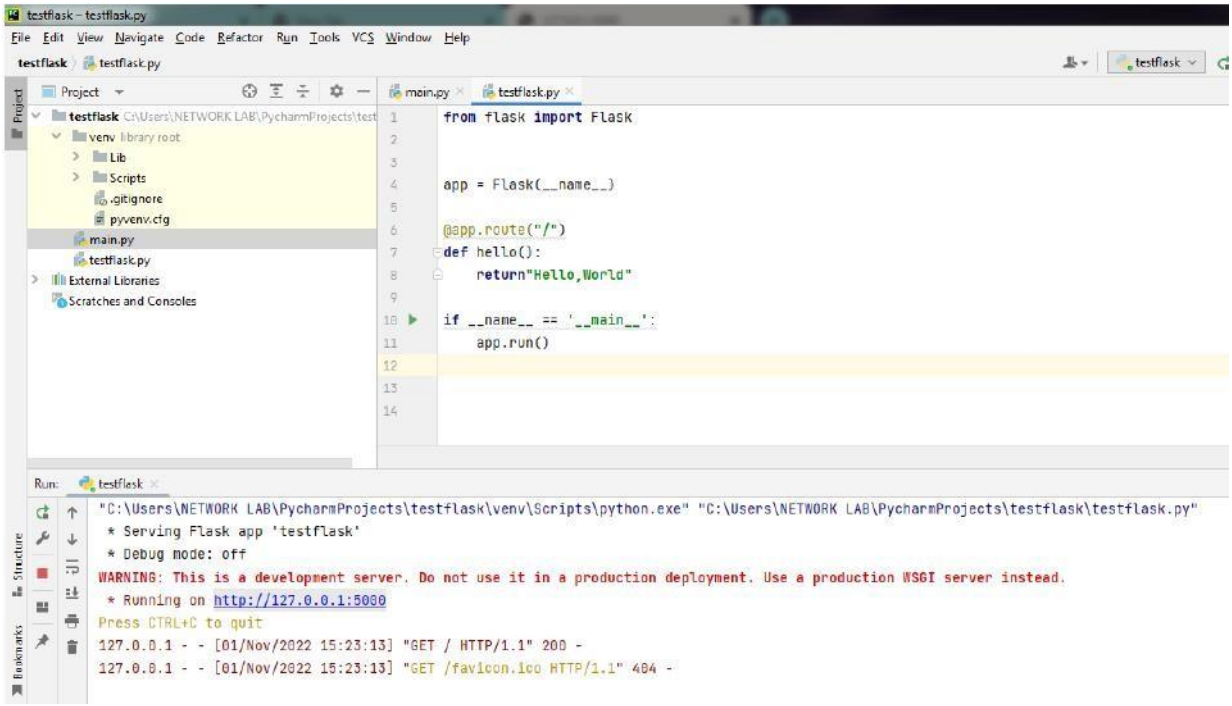
return"Hello,World

" if_name__== '__main

___':

```
app. run()
```

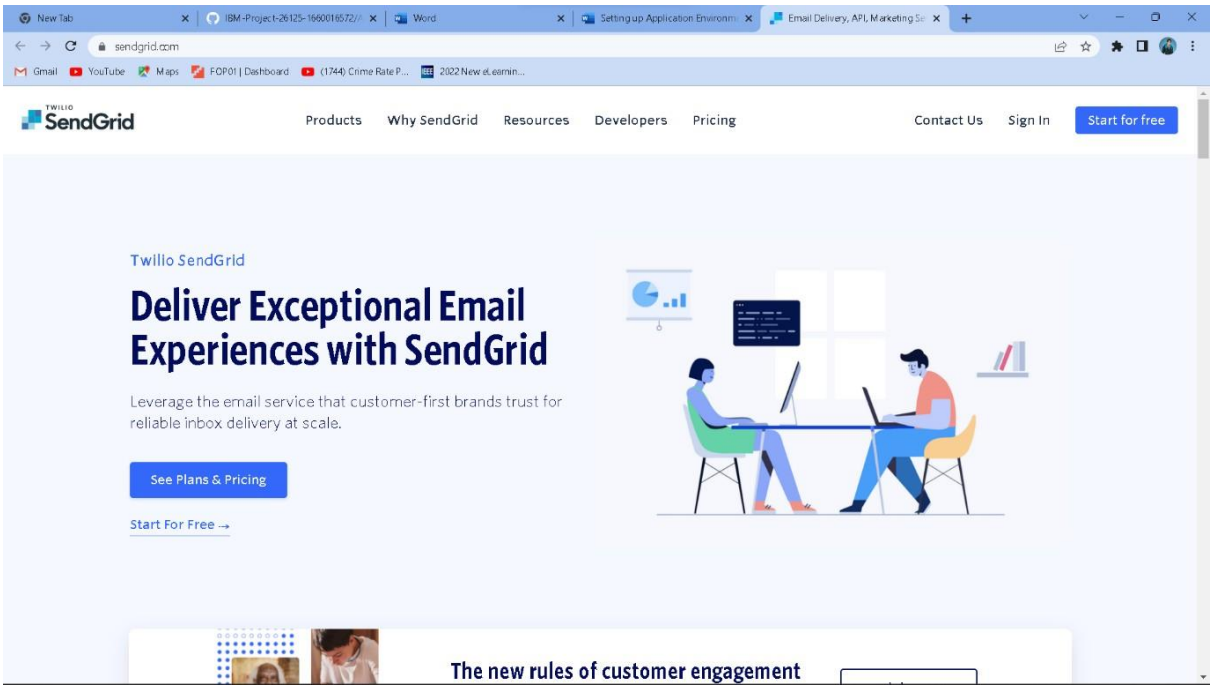
Step 3: Then run the code, it will show website link in terminal.



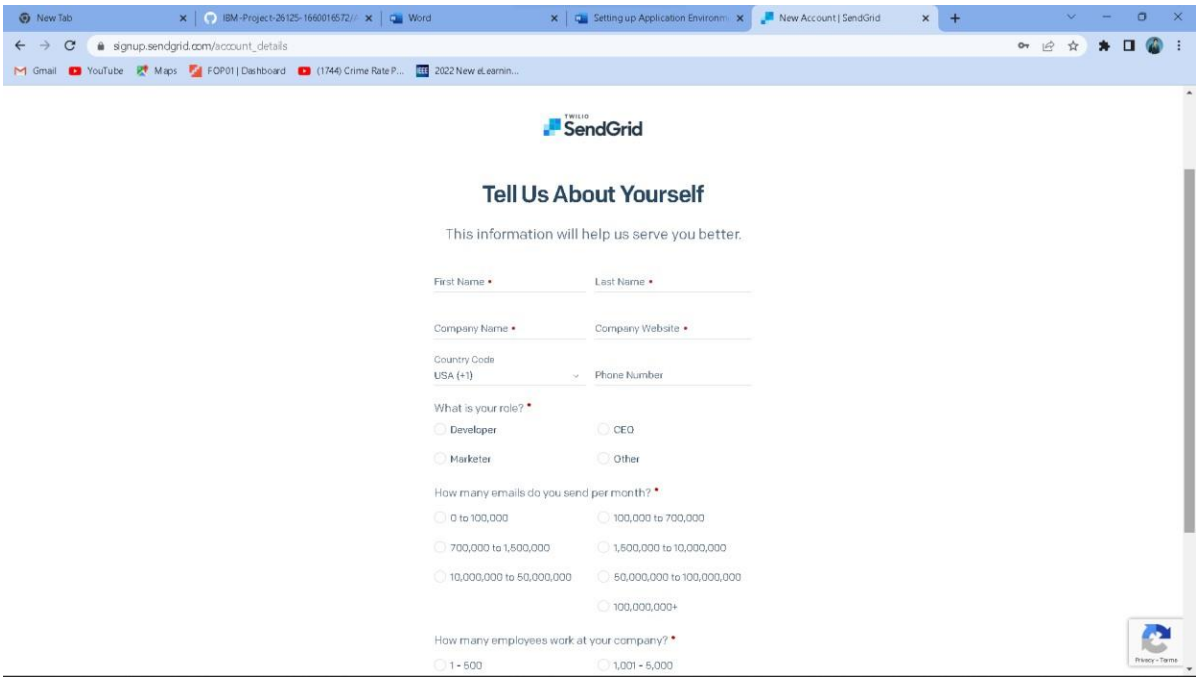
Step 4: By clicking the link in terminal, it will show "Hello World" inthe browser page.

5. SENDGRID ACCOUNT CREATION:

Step1: Search for the SendGrid https://sendgrid.com/



Step 2: Registering new account and account is created.


New Tab
IBM-Project-26125-1660016572//
Word
Setting up Application Environm
New Account | SendGrid
signup.sendgrid.com/account_details
Gmail
YouTube
Maps
FOP01 | Dashboard
(1744) Crime Rate P...
2022 New eLearnin...
SendGrid
Tell Us About Yourself
This information will help us serve you better.
First Name *
Last Name *
Company Name *
Company Website *
Country Code
USA (+1)
Phone Number
What is your role? *
Developer
CEO
Marketer
Other
How many emails do you send per month? *
0 to 100,000
100,000 to 700,000
700,000 to 1,500,000
1,500,000 to 10,000,000
10,000,000 to 50,000,000
50,000,000 to 100,000,000
100,000,000+
How many employees work at your company? *
1 - 500
1,001 - 5,000