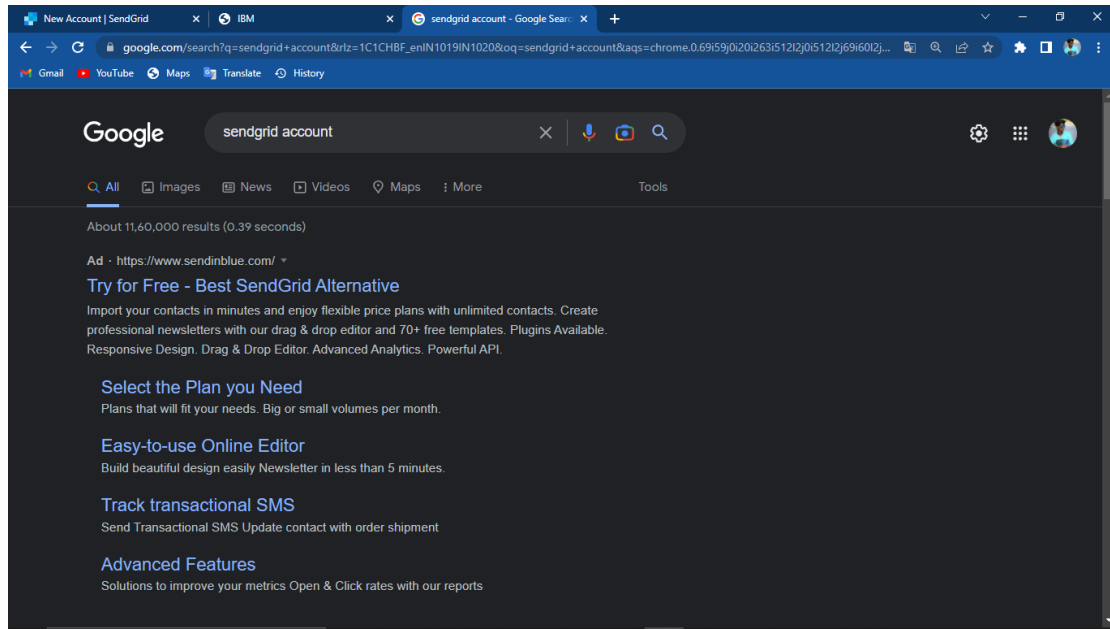


SETTING UP APPLICATION ENVIRONMENT

1. SENDGRID ACCOUNT CREATION:

Step1:Search for the sendgrid <https://sendgrid.com/>

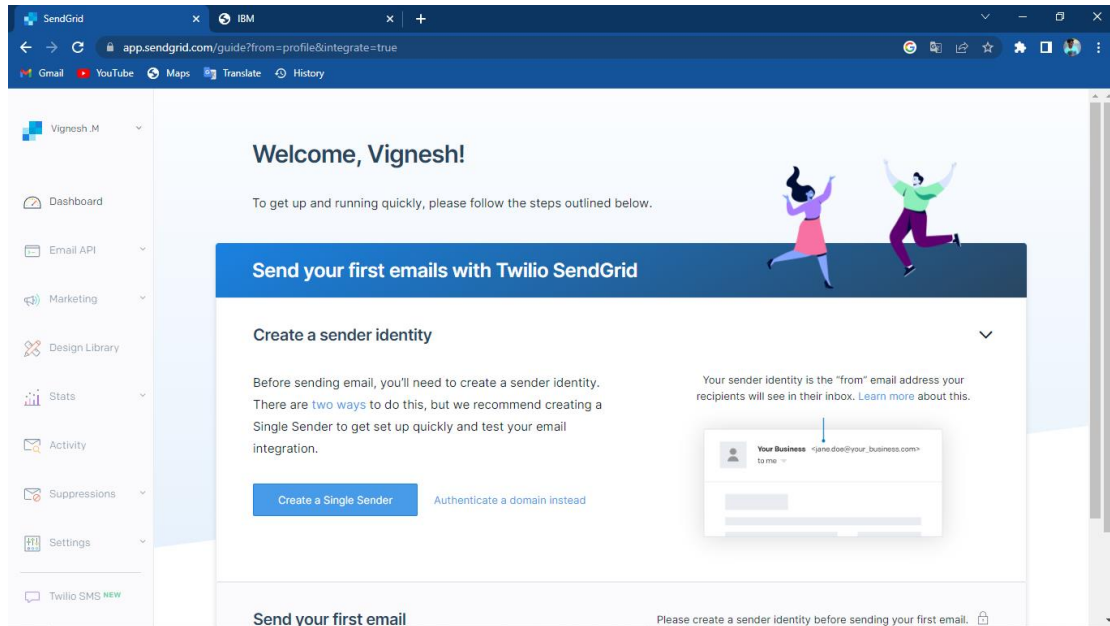


Step 2:Registering new account

A screenshot of the SendGrid account registration form titled 'Tell Us About Yourself'. The form includes a sub-header 'This information will help us serve you better.' and several input fields: 'First Name' (Vignesh), 'Last Name' (.M), 'Company Name' (IBM), 'Company Website' (ibm.com), 'Country Code' (India (+91)), and 'Phone Number' (9994698006). There are also radio button options for 'What is your role?' (Developer, CEO, Marketer, Other) and '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+). A final question 'How many employees work at your company?' is partially visible. The form has a 'Privacy - Terms' link at the bottom right.

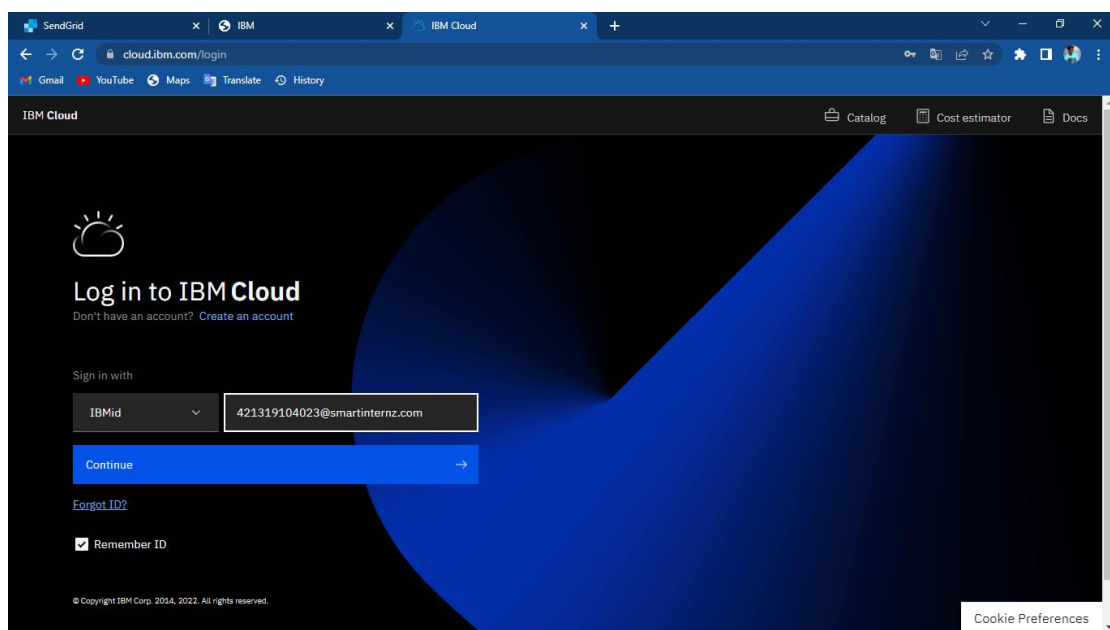
SETTING UP APPLICATION ENVIRONMENT

Step 3: Sendgrid account created



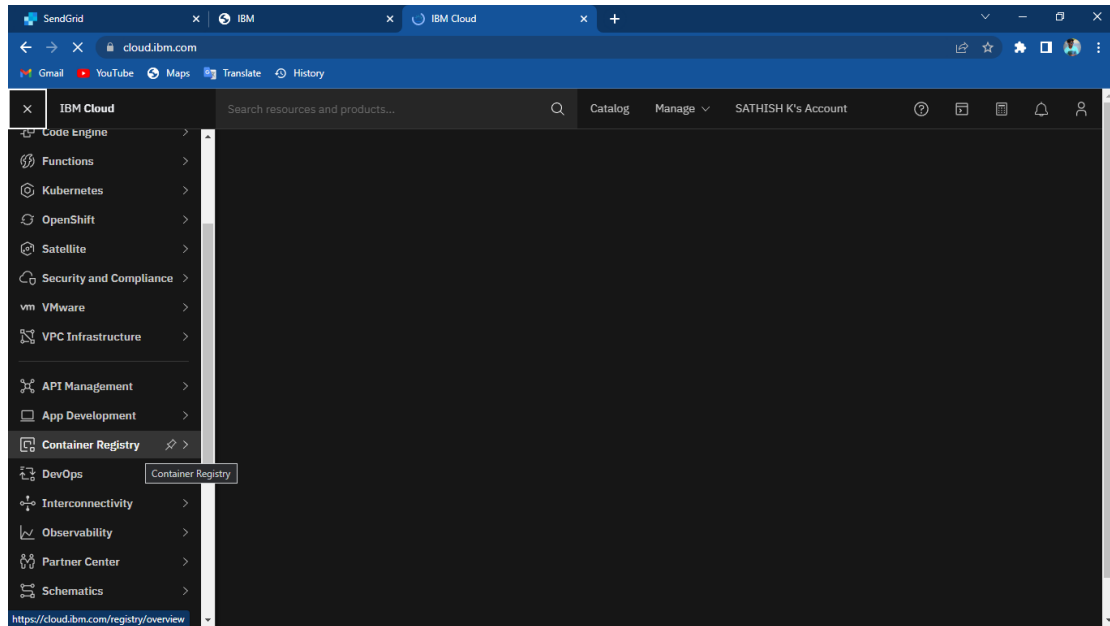
2. IBM CLOUD CLI INSTALLATION:

Step1: Log in to the IBM cloud

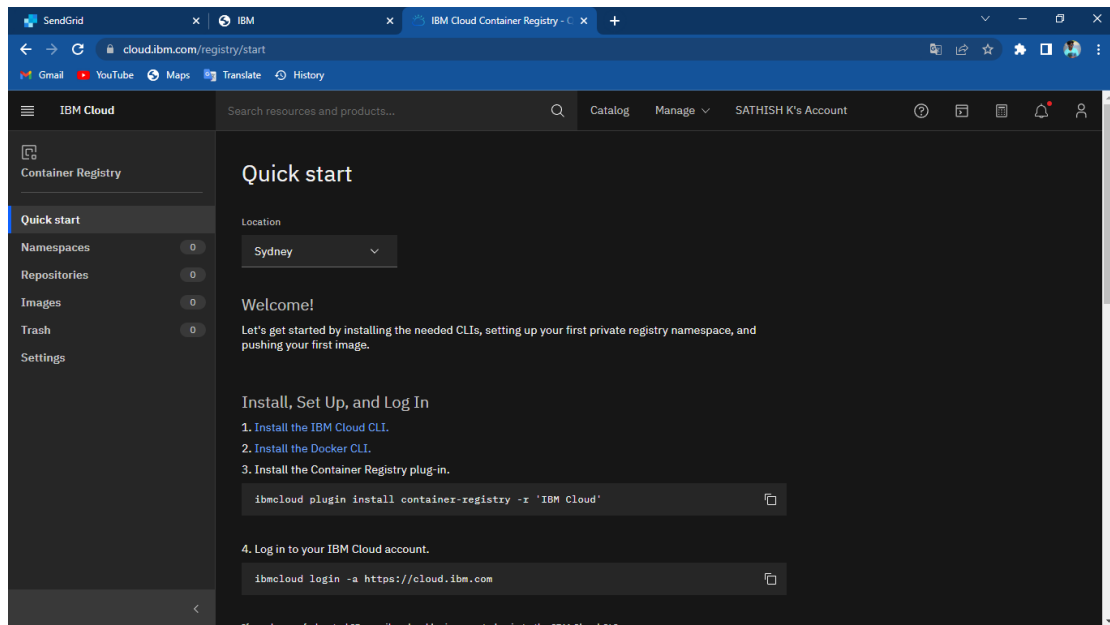


SETTING UP APPLICATION ENVIRONMENT

Step 2: Select container registry

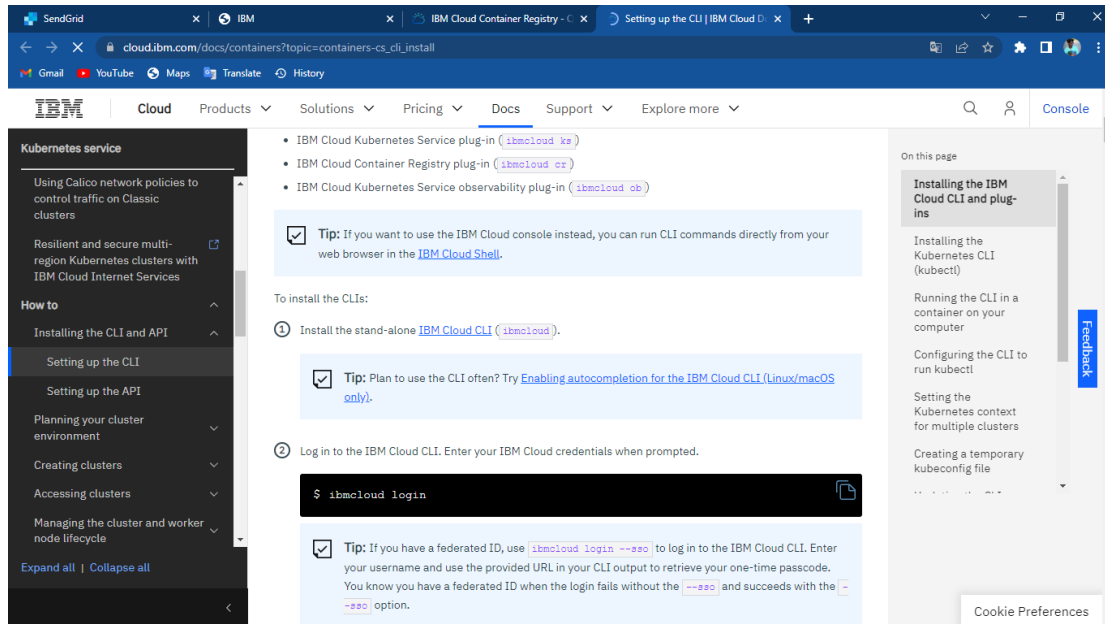


Step3: Select Quickstart to open container registry and click on install IBM Cloud CLI

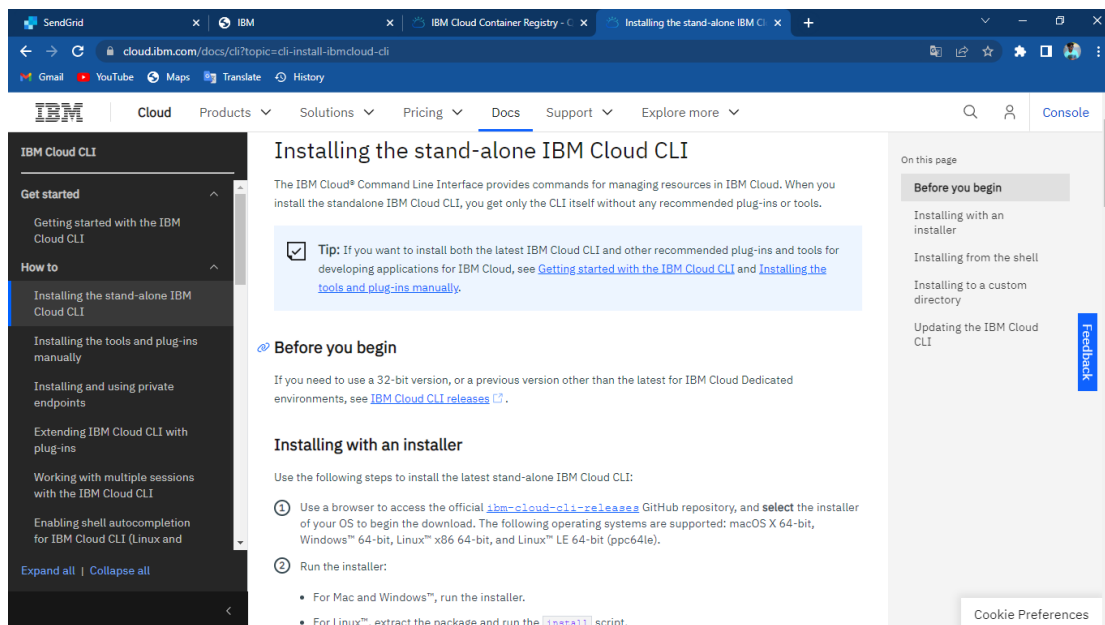


SETTING UP APPLICATION ENVIRONMENT

Step 4: Click on IBM Cloud CLI

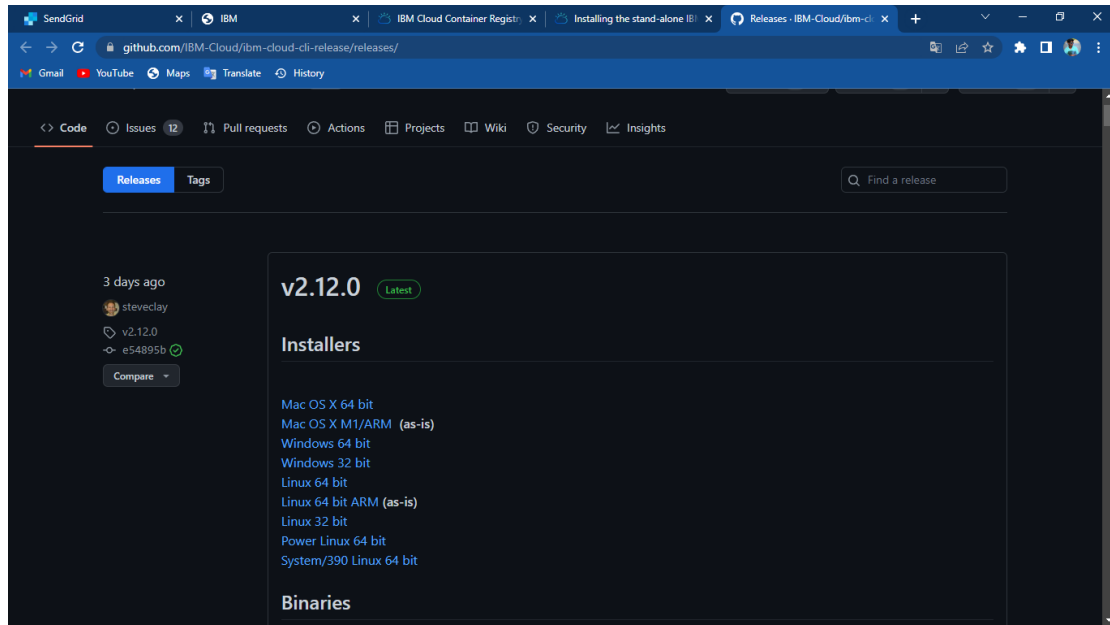


Step 5: And then, Click on IBM Cloud CLI releases

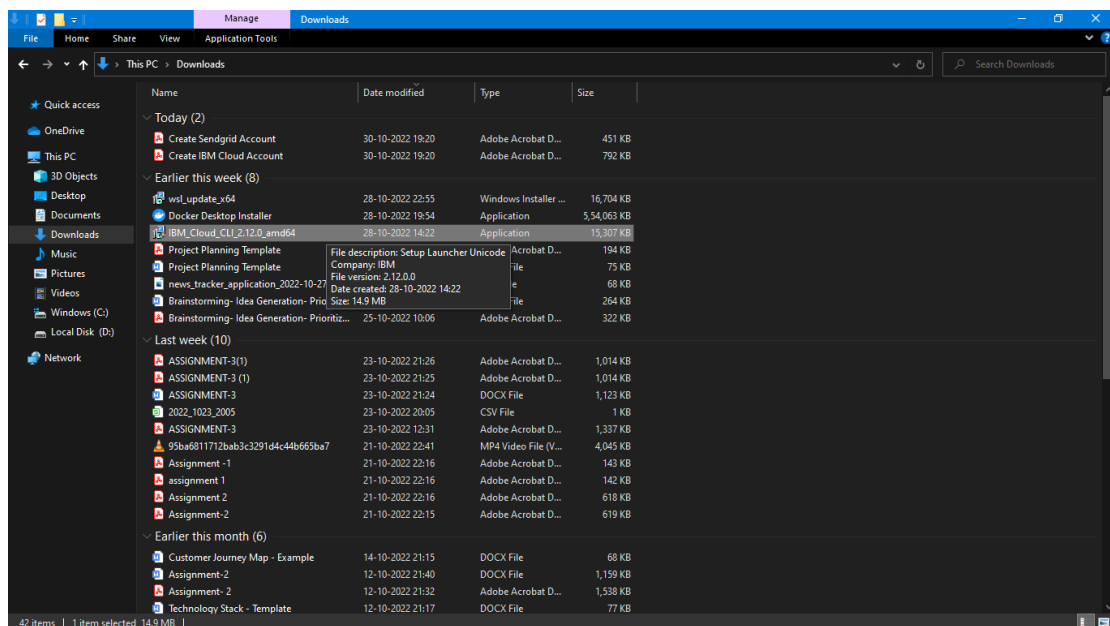


SETTING UP APPLICATION ENVIRONMENT

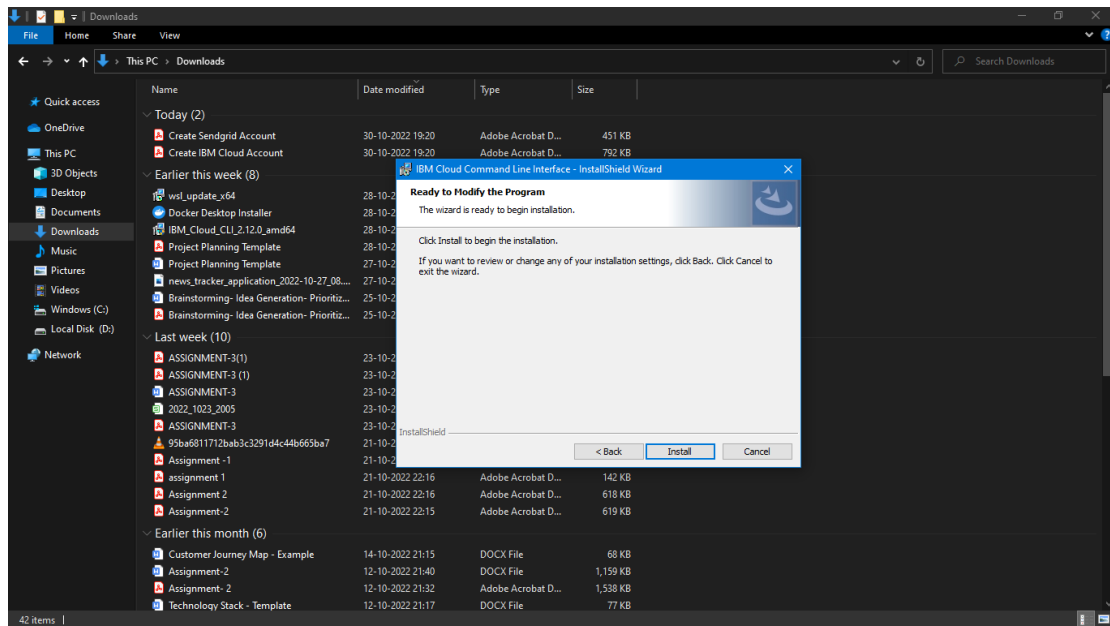
Step 6: After that, the github page will open and download the IBM CLI installer by selecting as per your system required installer.



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

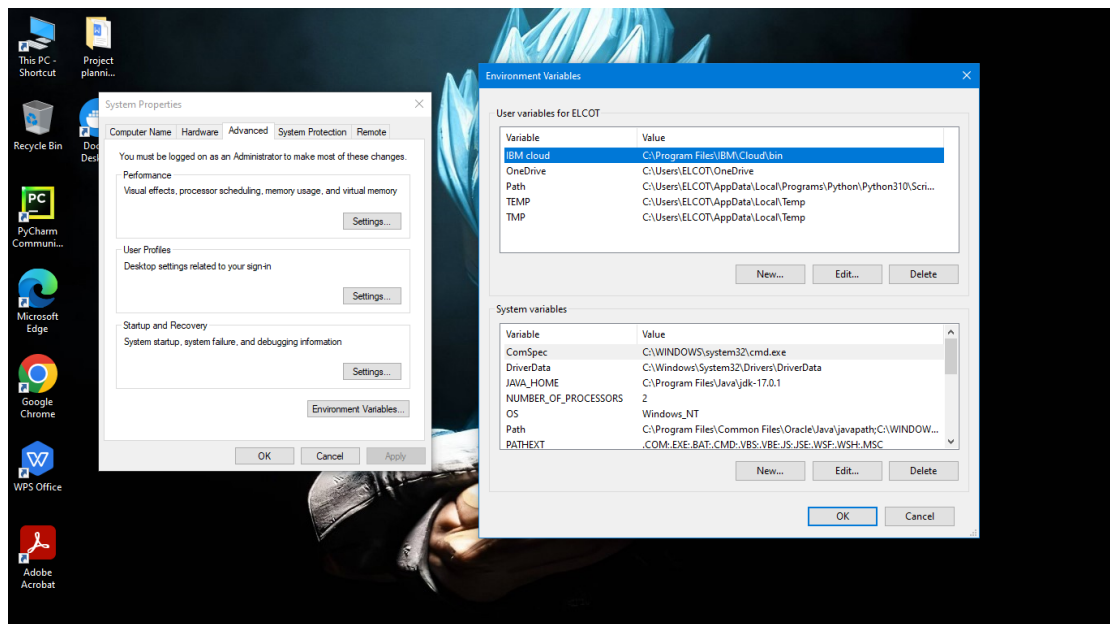


SETTING UP APPLICATION ENVIRONMENT

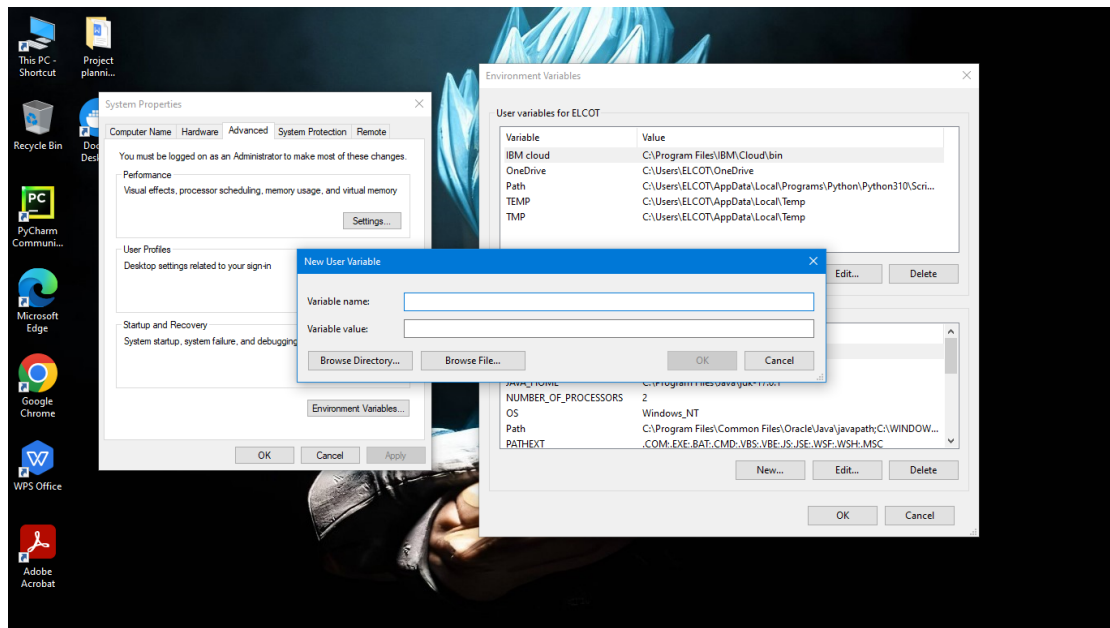


Step 8: After the installation set environment variable and then open CMD (Windows). Type this command to login in IBM cloud

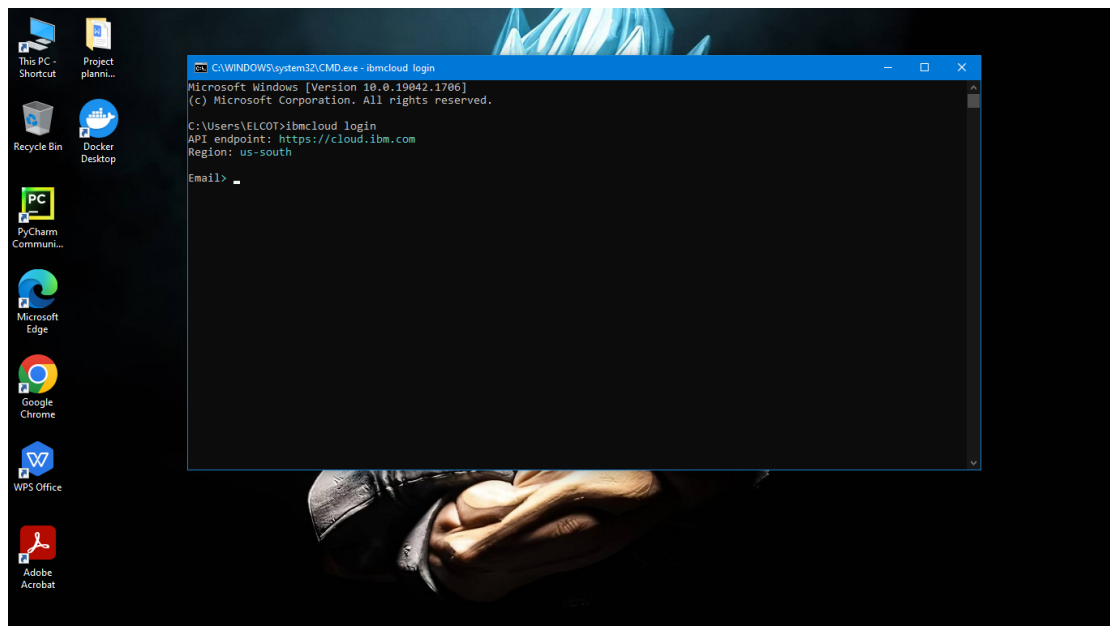
“ibmcloud login”



SETTING UP APPLICATION ENVIRONMENT

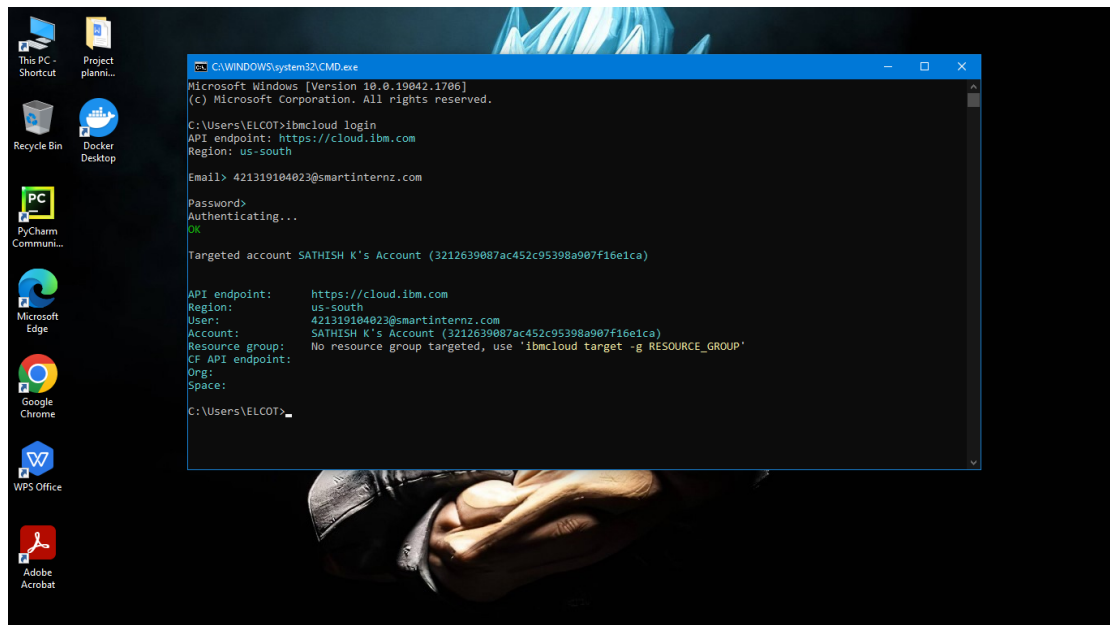


In the variable name, name it as “IBM Cloud” and in variable value the path location of the IBM.



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



```
C:\WINDOWS\system32\CMD.exe
Microsoft Windows [Version 10.0.19042.1706]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ELCOT>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: us-south

Email> 421319104023@smartinternz.com

Password>
Authenticating...
OK

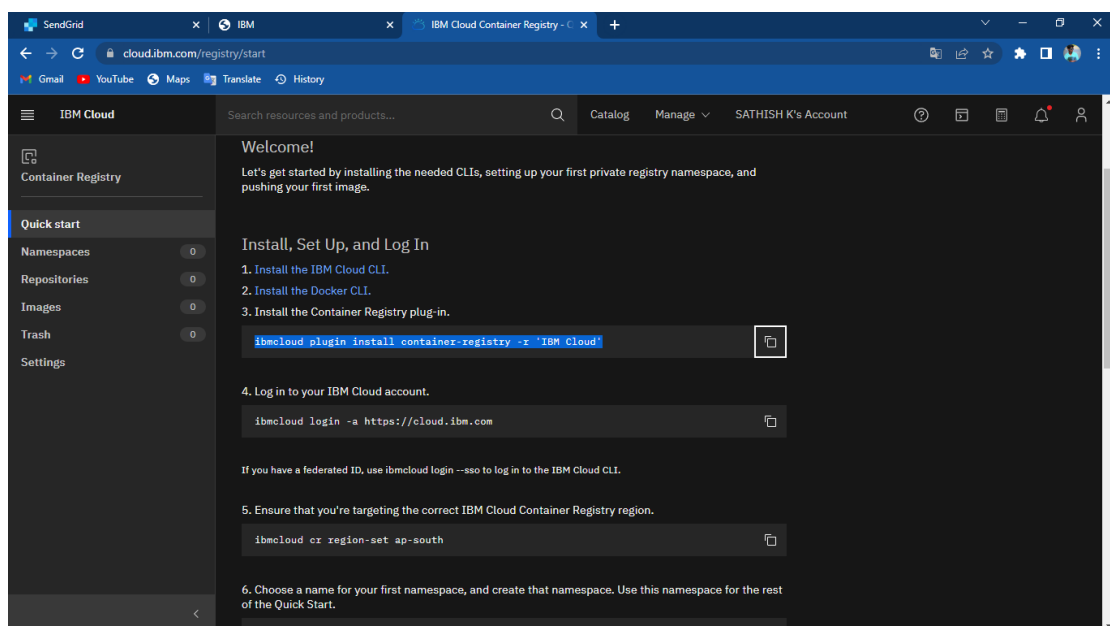
Targeted account SATHISH K's Account (3212639087ac452c95398a907f16e1ca)

API endpoint: https://cloud.ibm.com
Region: us-south
User: 421319104023@smartinternz.com
Account: SATHISH K's Account (3212639087ac452c95398a907f16e1ca)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

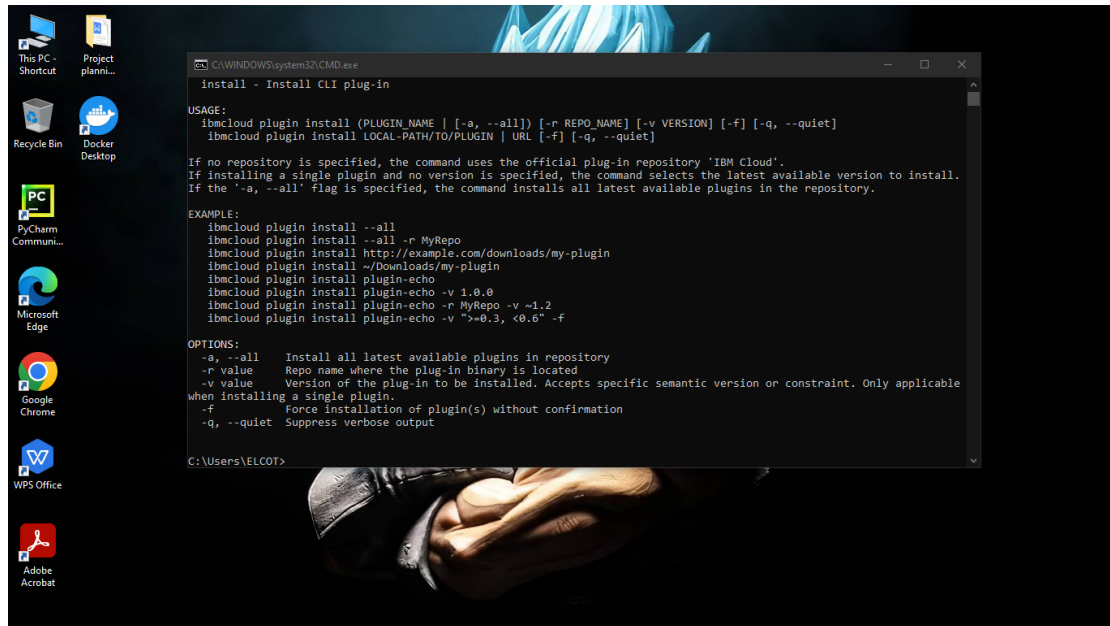
C:\Users\ELCOT>
```

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

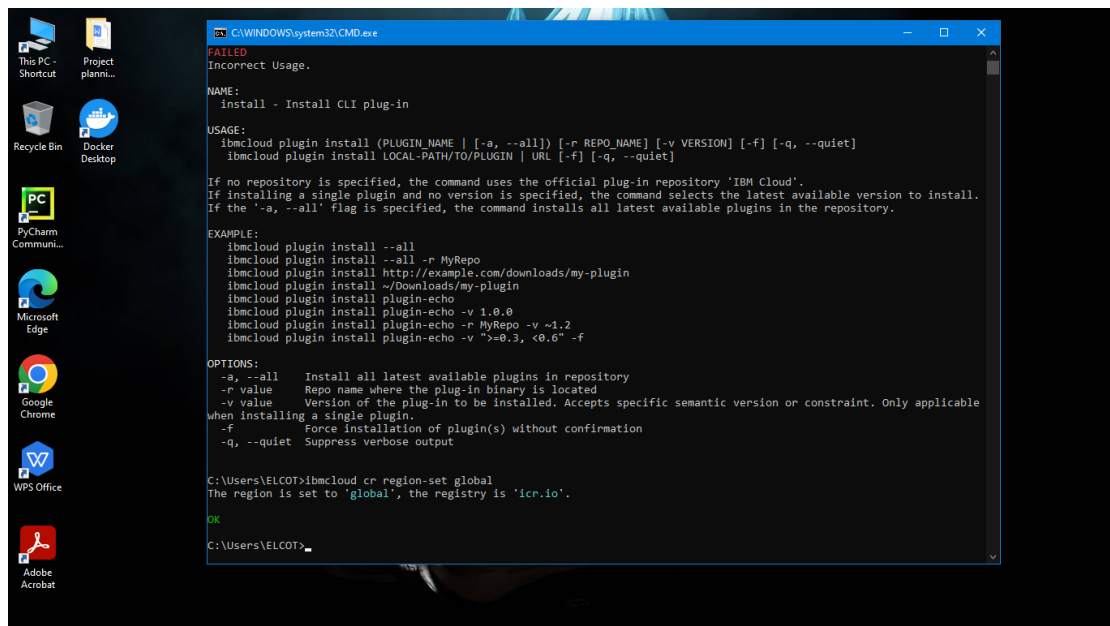
“ibmcloud plugin install container-registry -r”



SETTING UP APPLICATION ENVIRONMENT

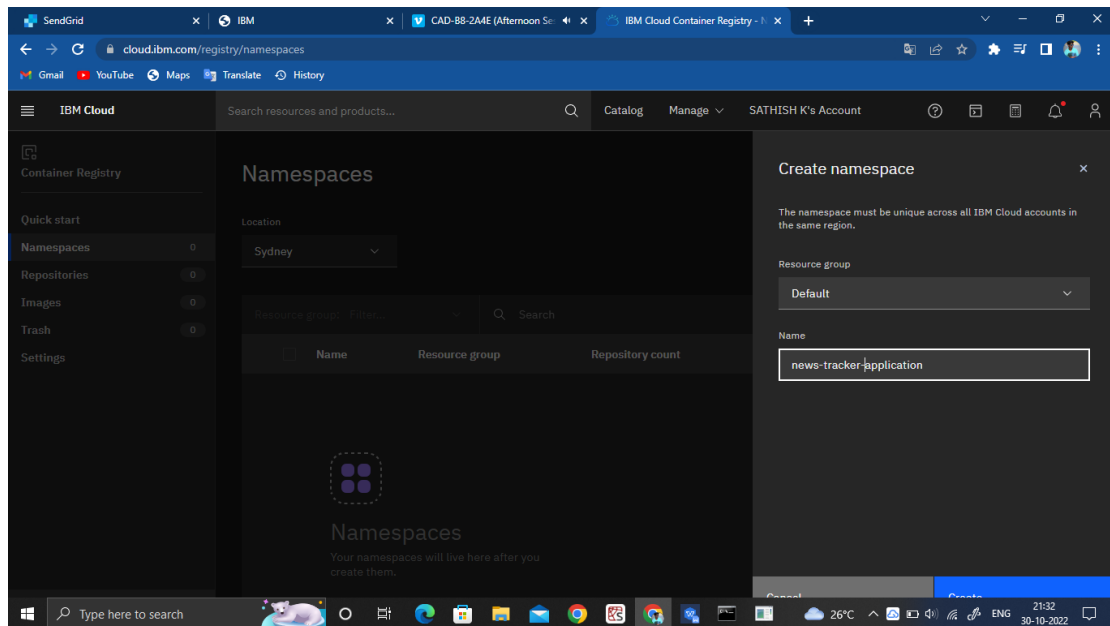


Step 11: Set your region to global .
“ibmcloud cr region-set global”



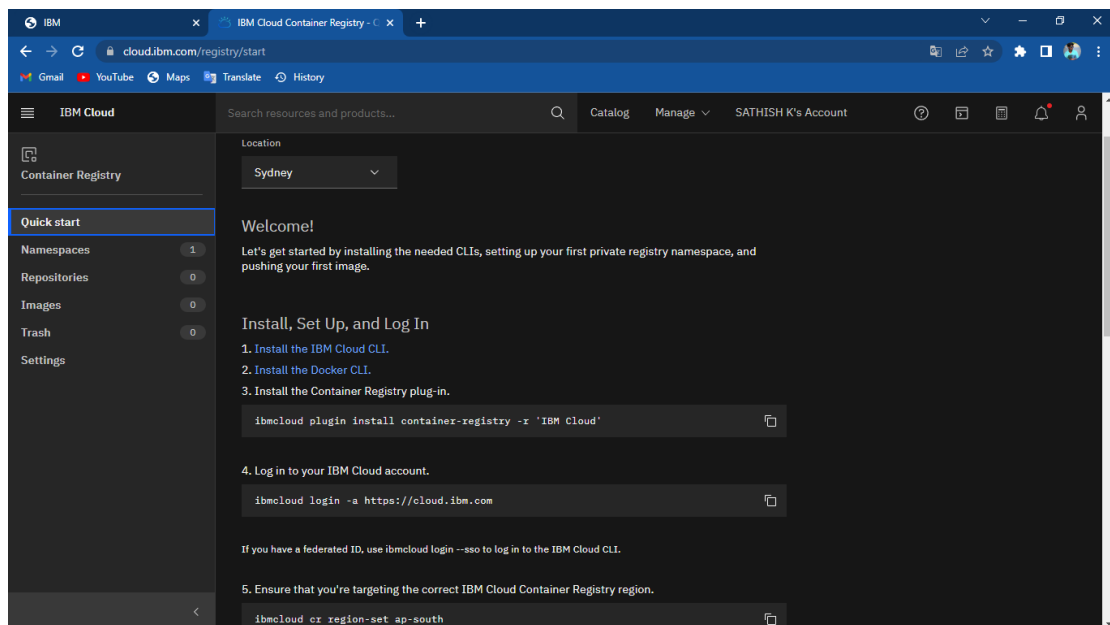
SETTING UP APPLICATION ENVIRONMENT

Step 12: Create namespace in your container registry



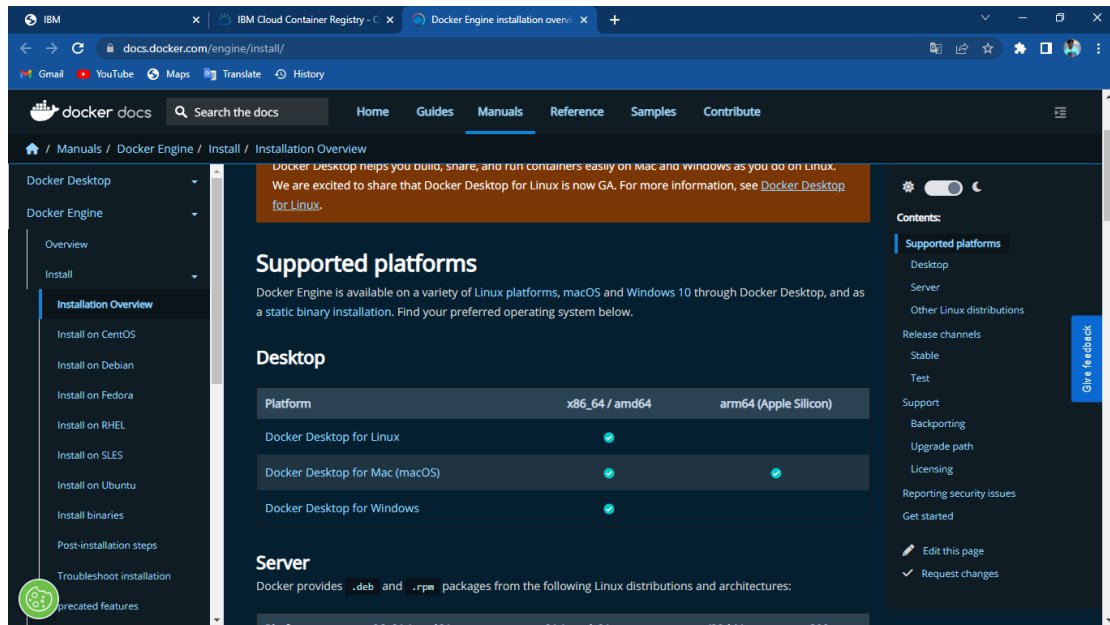
3. DOCKER CLI INSTALLATION:

Step 1: Open container registry in IBM Cloud and click on Install Docker CLI.

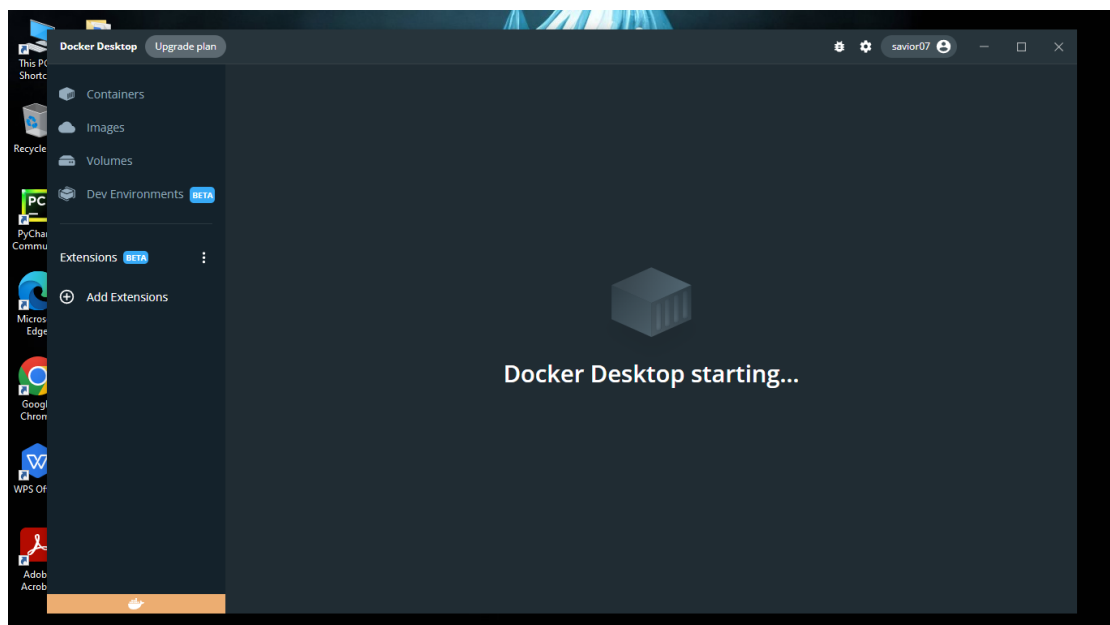


SETTING UP APPLICATION ENVIRONMENT

Step 2: Then, Click on required installer for your specified system and download it.



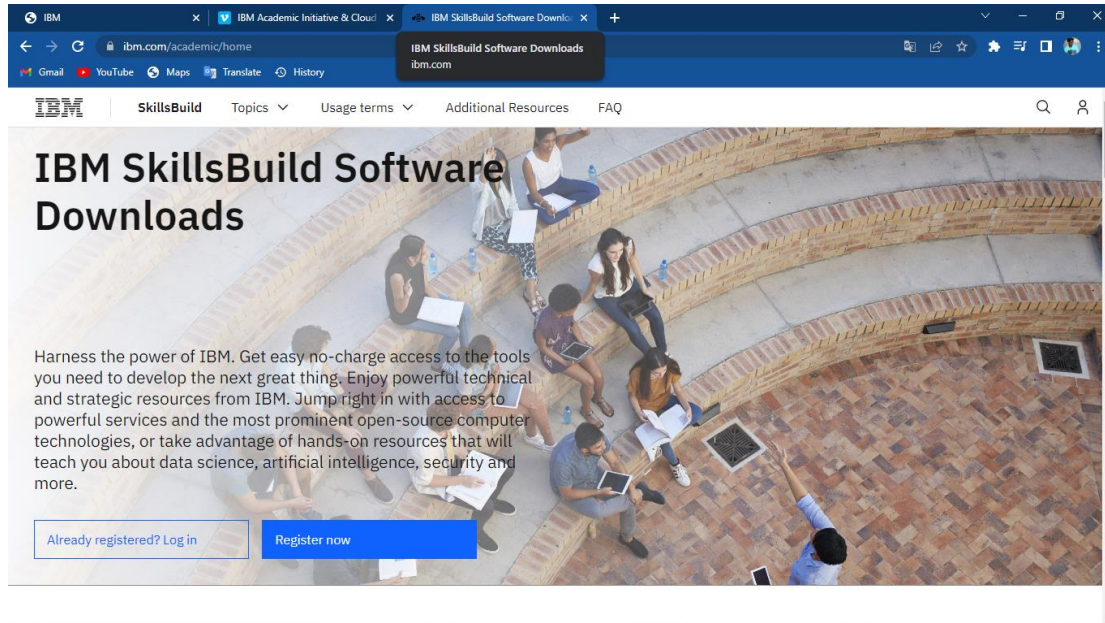
Step 3: After the setup download, run the setup and then open it and push the images, create the repository, etc....



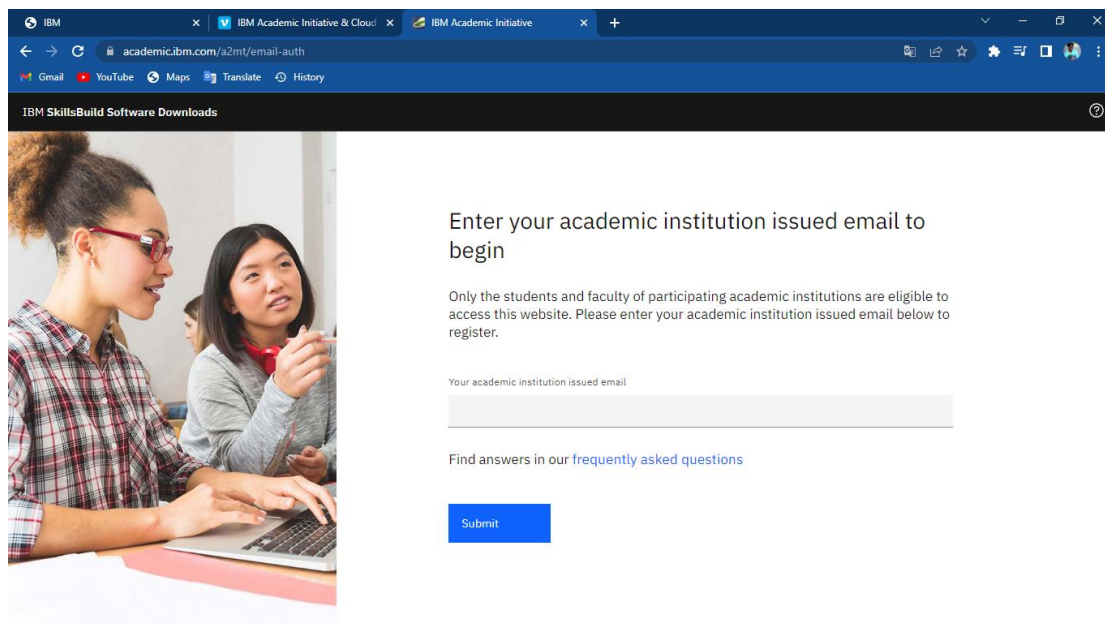
SETTING UP APPLICATION ENVIRONMENT

4. IBM CLOUD ACCOUNT CREATION:

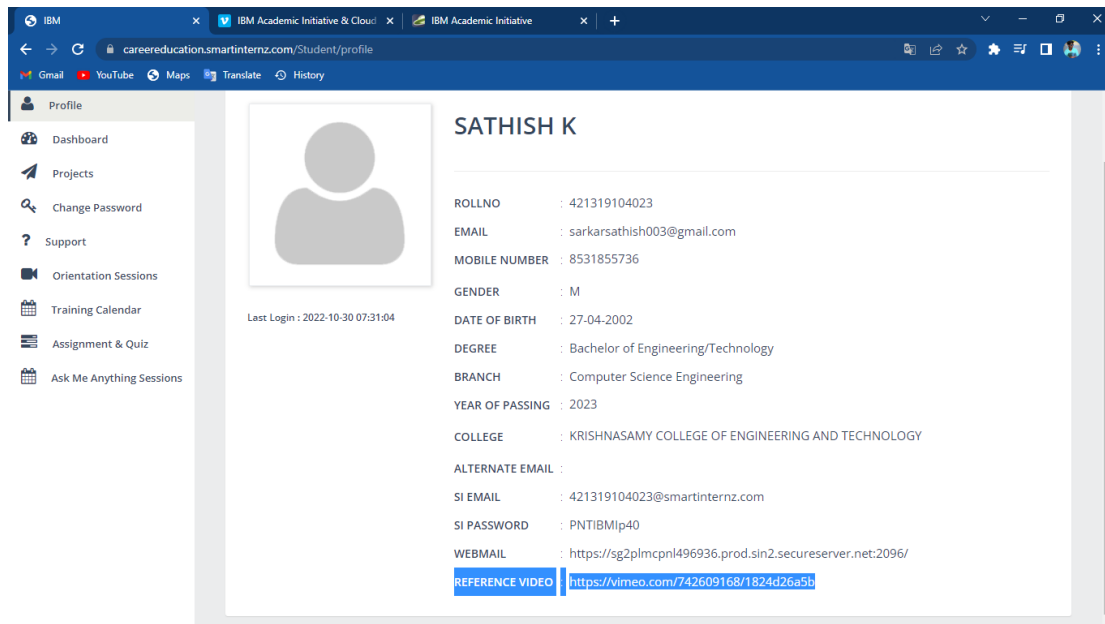
Step 1: Search for “ibm.com/academic” in the browser



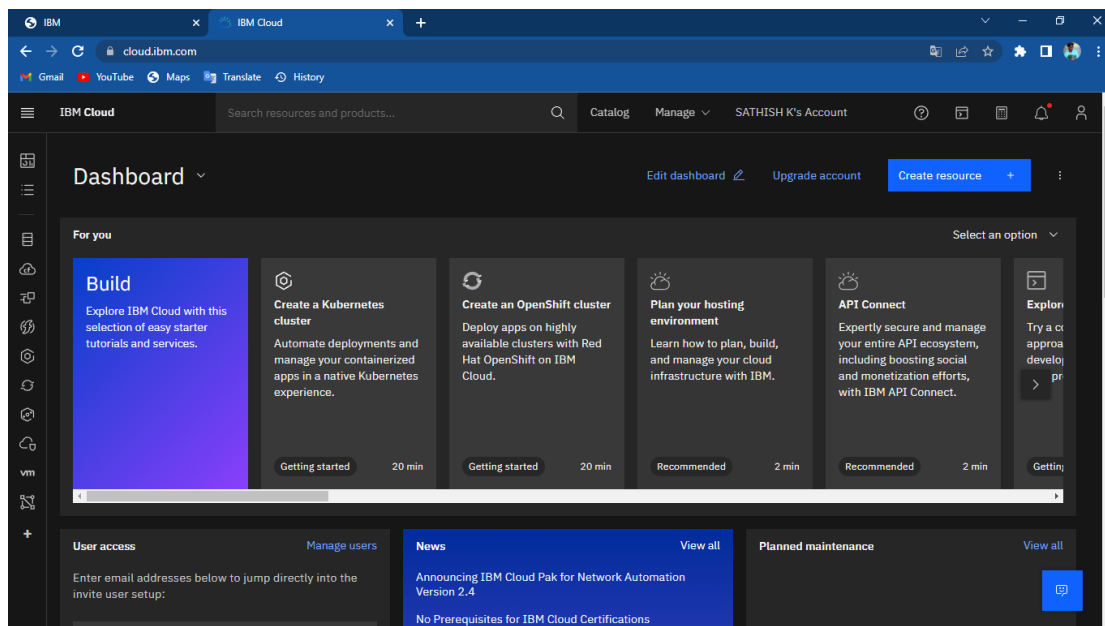
Step 2: Enter the mail issued by the academic institution and follow the procedure for entering the details which is provided as video link in your IBM profile.



SETTING UP APPLICATION ENVIRONMENT



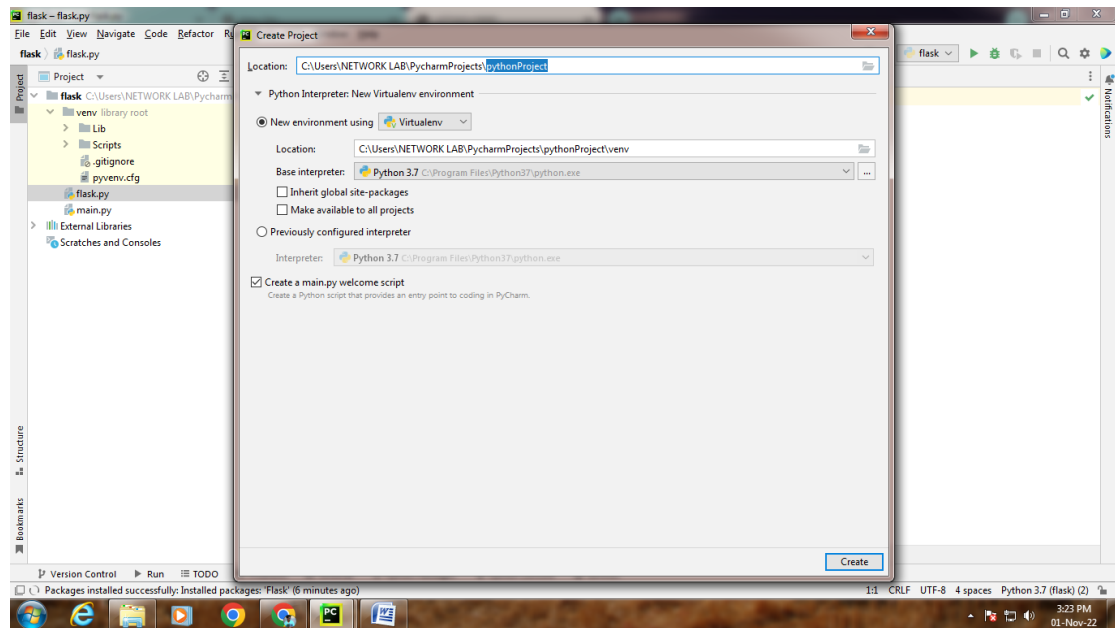
Step 3: After following the procedure that is given in reference video, your IBM cloud account will be created.



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5.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 project

```
from flask import Flask

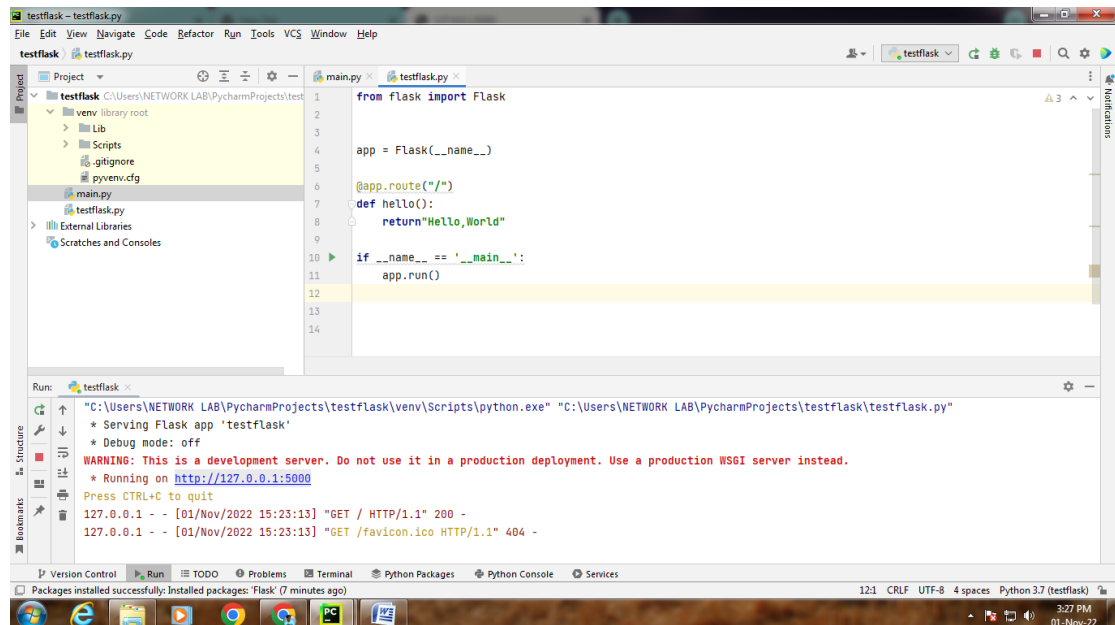
app = Flask(__name__)

@app.route("/")
def hello():
    return "Hello,World"

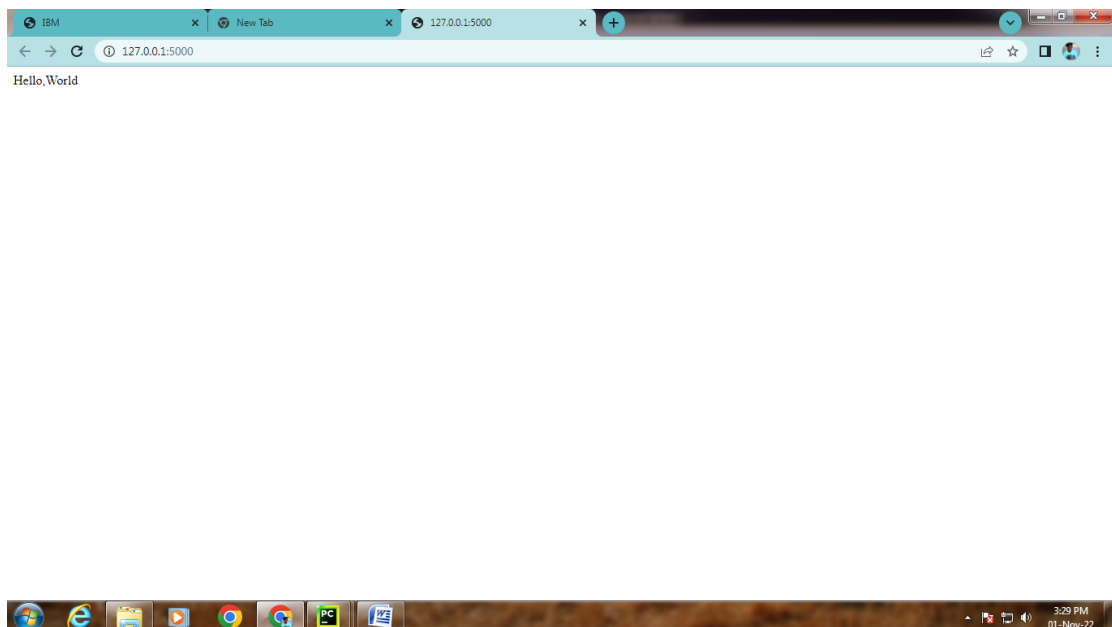
if __name__ == '__main__':
    app.run()
```

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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" in the browser page.



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