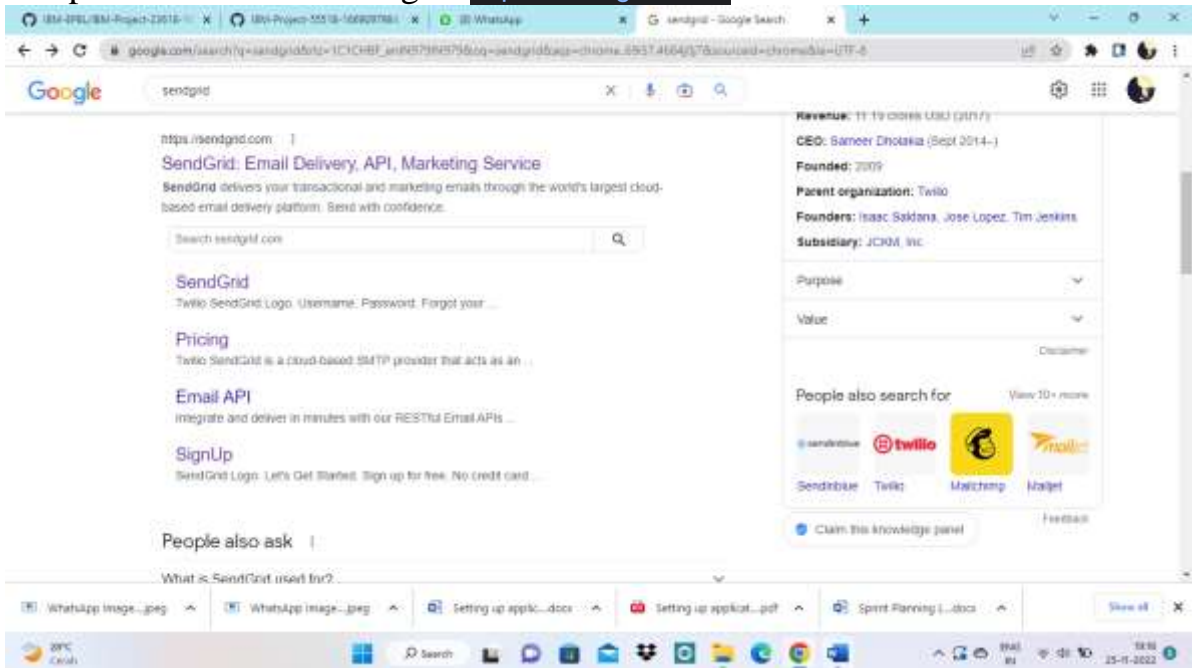


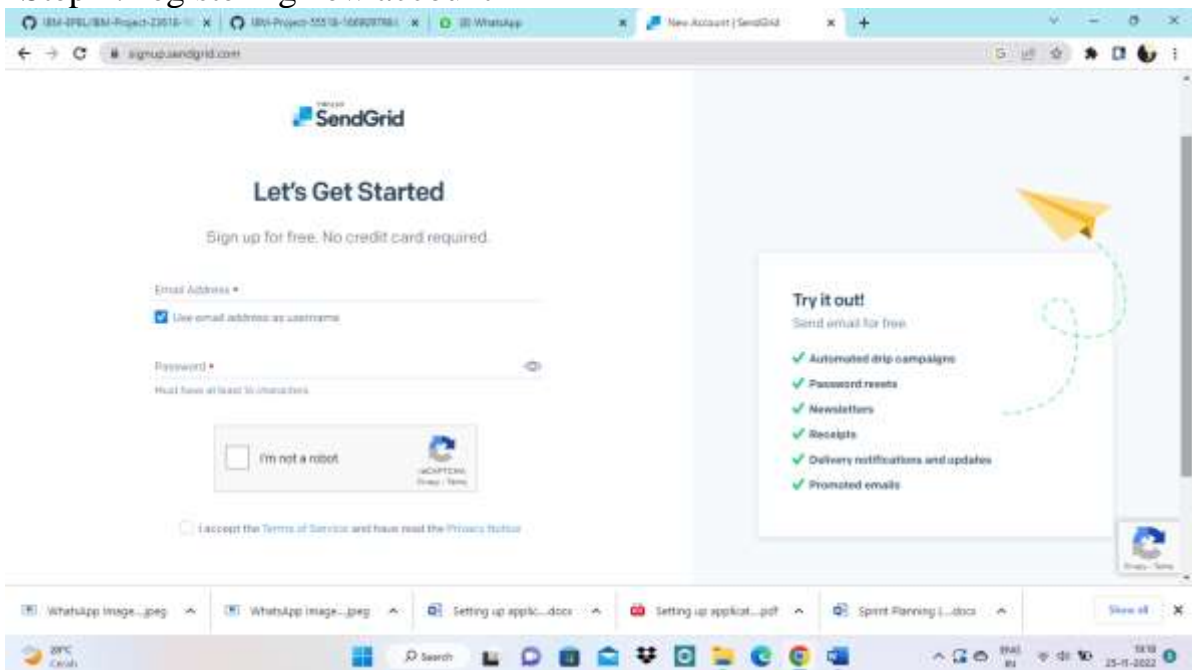
SETTING UP APPLICATION ENVIRONMENT

1. SENDGRID ACCOUNT CREATION:

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

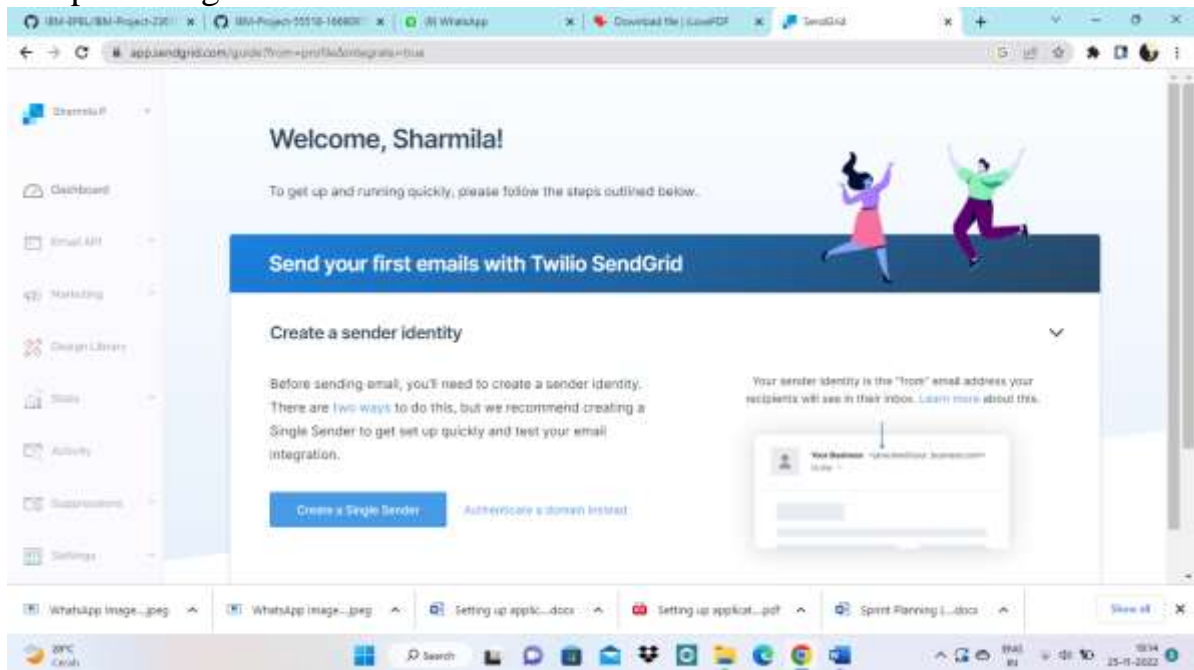


Step 2: Registering new account



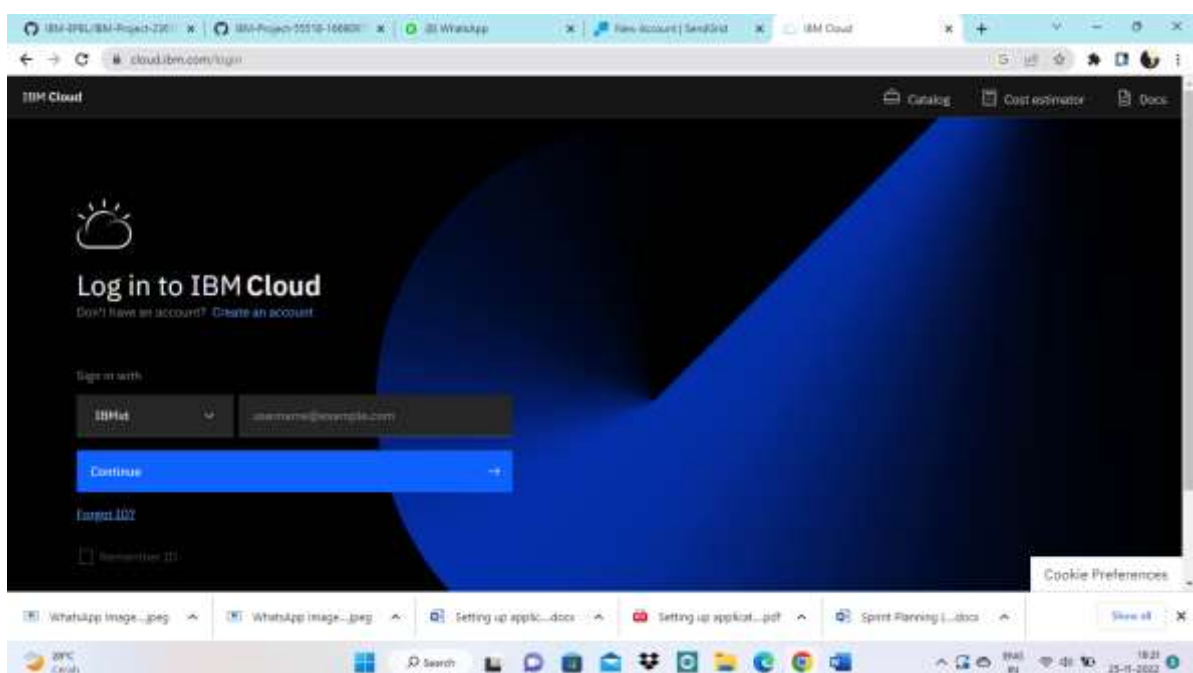
SETTING UP APPLICATION ENVIRONMENT

Step 3: Sendgrid account created



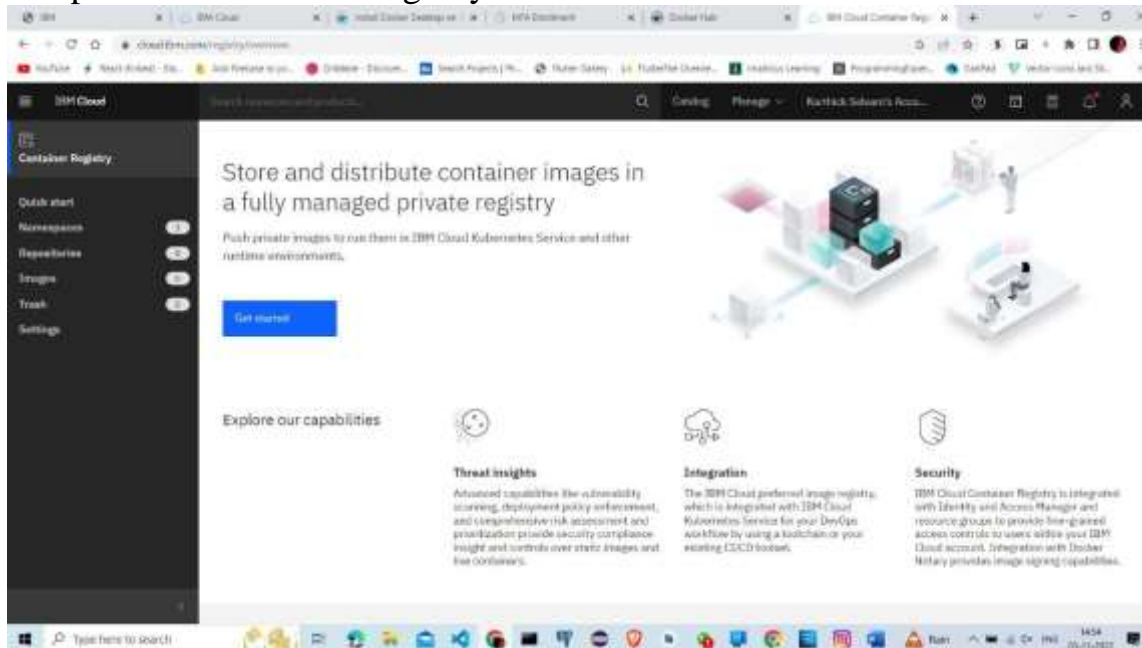
2. IBM CLOUD CLI INSTALLATION:

Step1: Log in to the IBM cloud

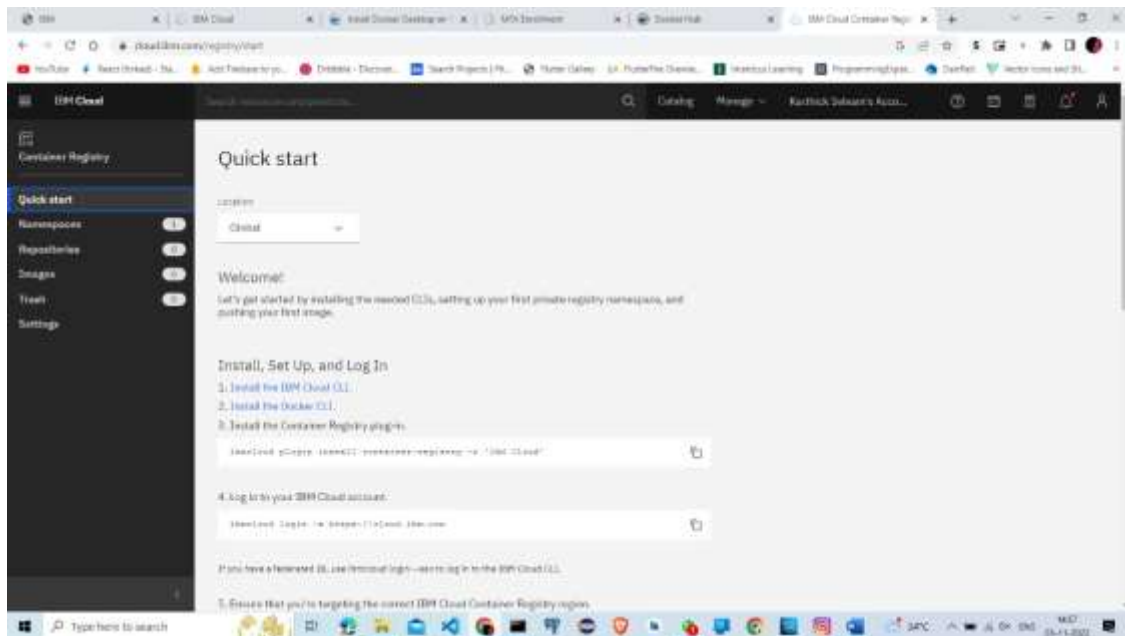


SETTING UP APPLICATION ENVIRONMENT

Step 2: Select container registry

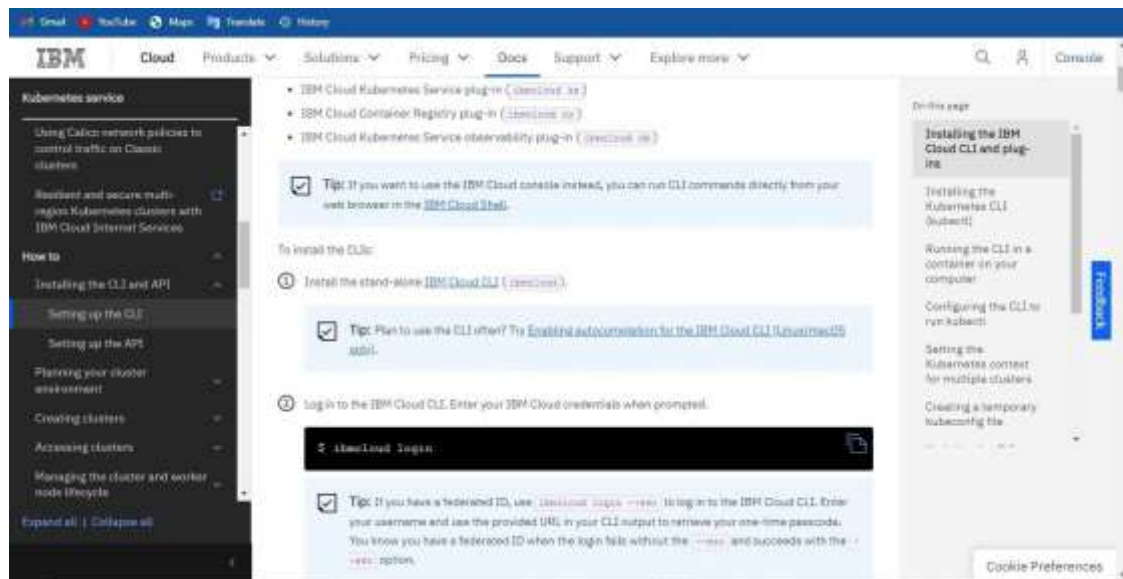


Step 3: Select Quickstart to open container registry and click on install IBM Cloud CLI

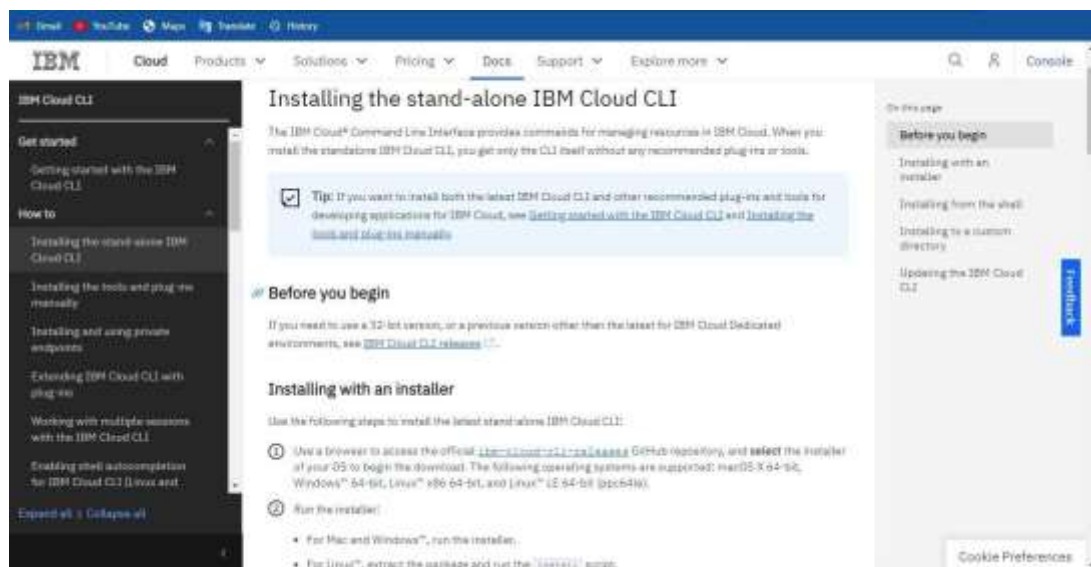


SETTING UP APPLICATION ENVIRONMENT

Step 4: Click on IBM Cloud CLI

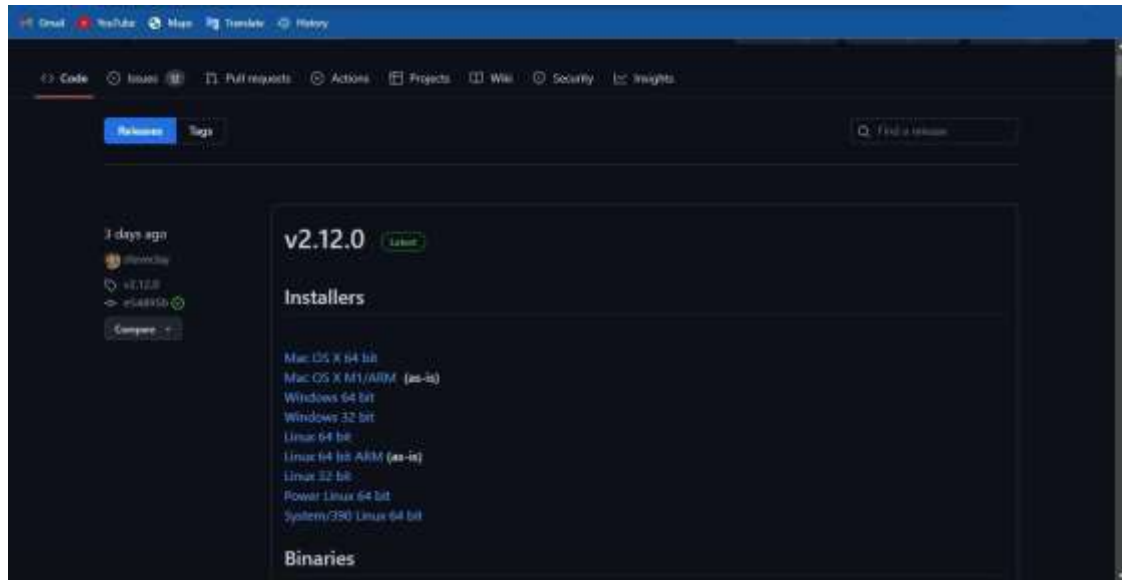


Step 5: And then, Click on IBM Cloud CLI releases

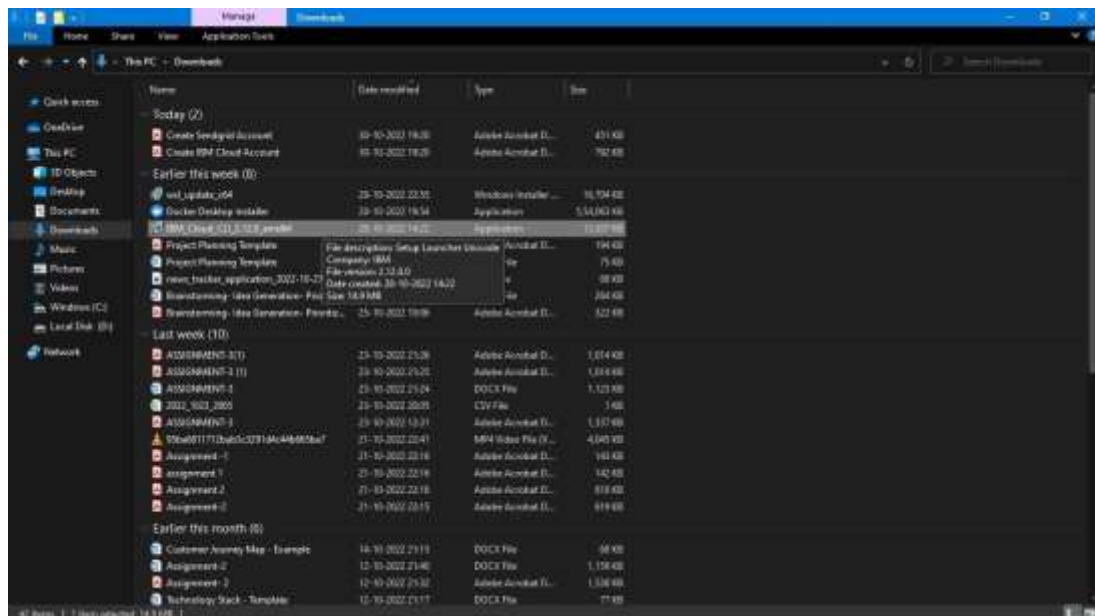


SETTING UP APPLICATION ENVIRONMENT

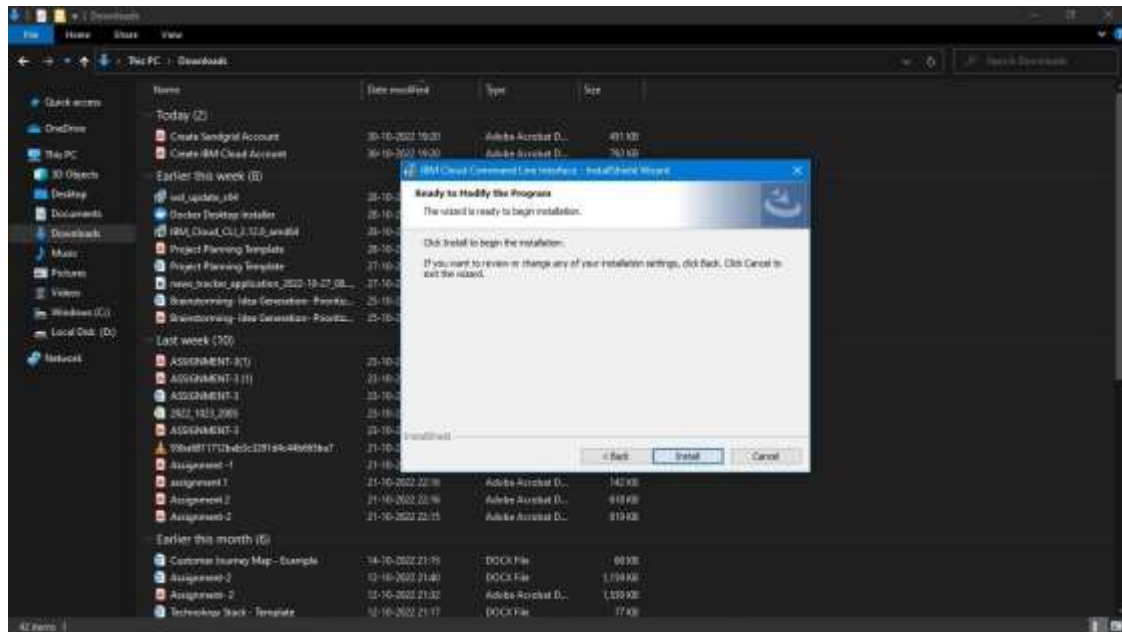
Step 6: After that, the github page will open and download the IBM CLI installer by selecting as per your system required installer.



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

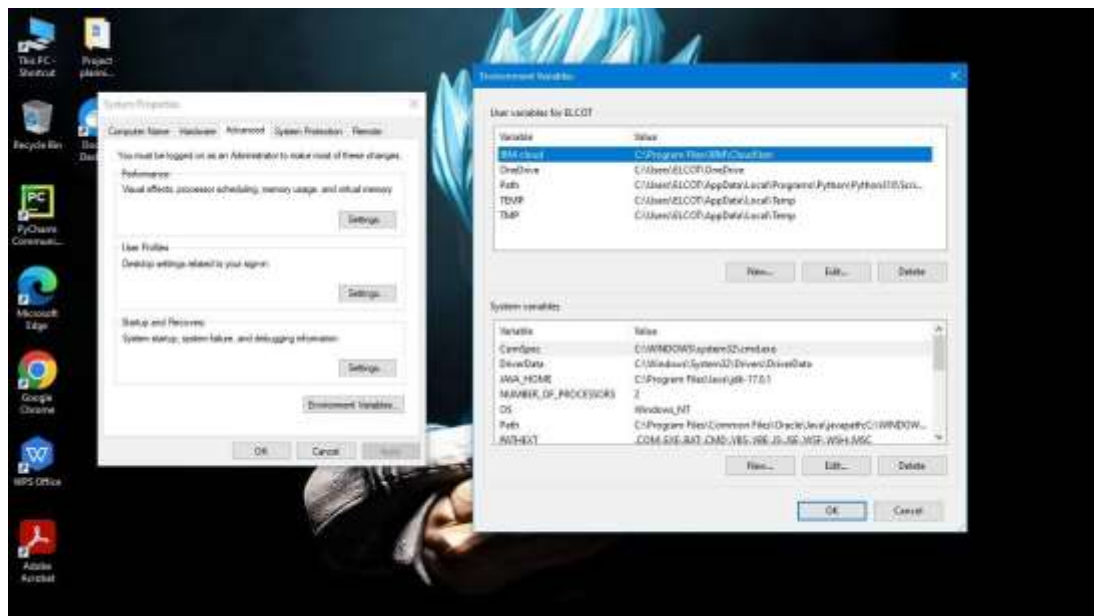


SETTING UP APPLICATION ENVIRONMENT



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

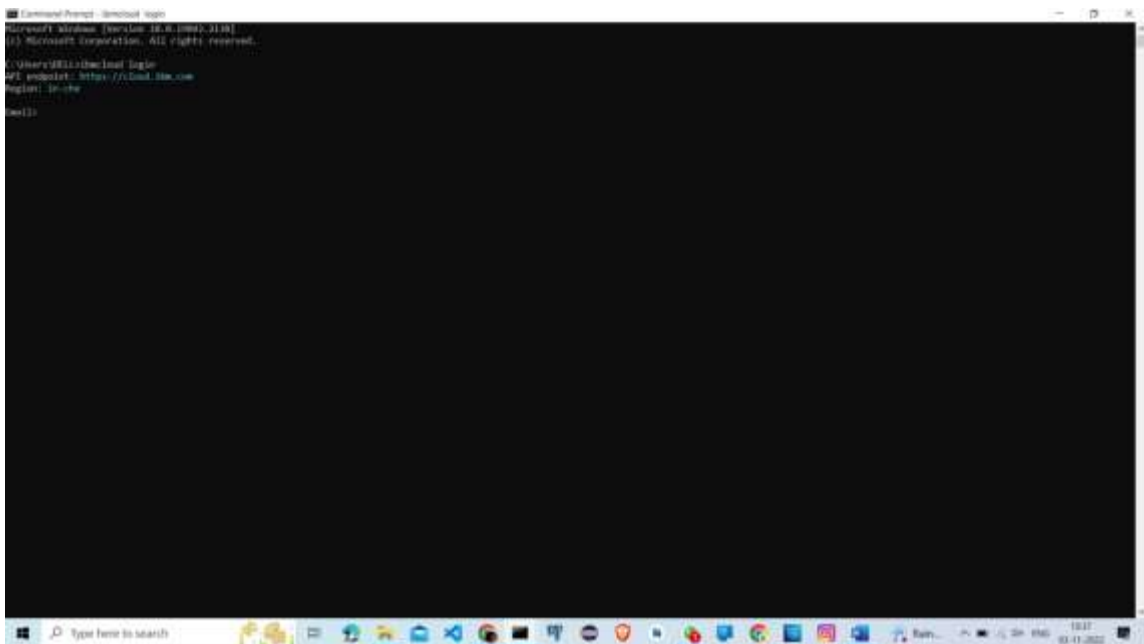
“ibmcloud login”



SETTING UP APPLICATION ENVIRONMENT



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



SETTING UP APPLICATION ENVIRONMENT

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

```

Microsoft Windows [Version 10.0.19041.21J]
(c) Microsoft Corporation. All rights reserved.

C:\Users\GILL>thelast -hgle
API endpoint: https://cloud.lbn.com
login: in-the
target: in-the

C:\Users\GILL>thelast -uGILL@franciscoer.m.in
Password:
Authenticating...

Targeted account: karthick@cloud.lbn.com (193a69c2195a10b6b6c3a10b6a2f5)

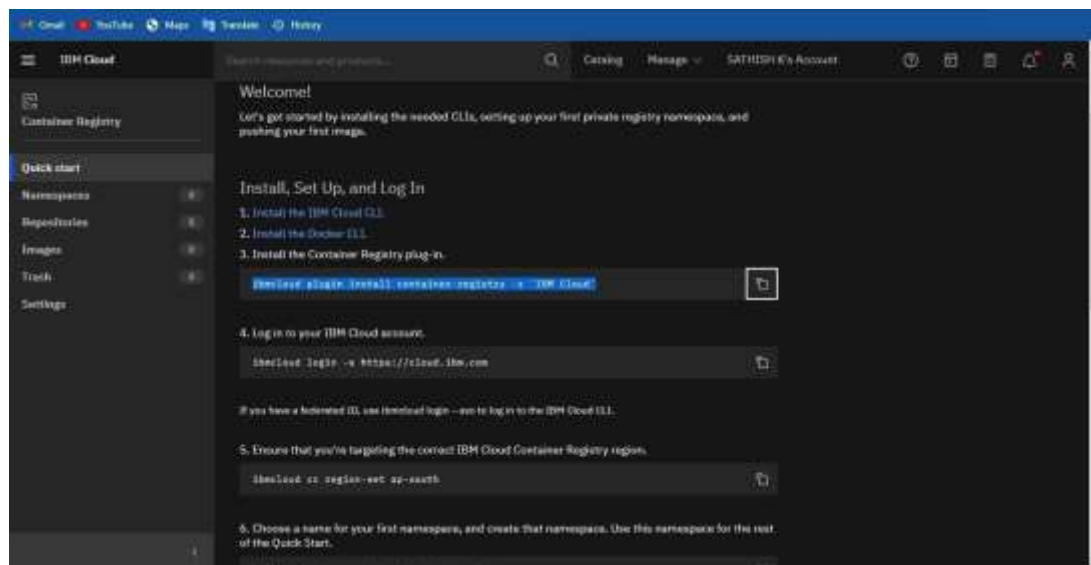
API endpoint: https://cloud.lbn.com
login: in-the
user: karthick@cloud.lbn.com
Account: karthick@cloud.lbn.com (193a69c2195a10b6b6c3a10b6a2f5)
Resource group: No resource group targeted, use "thelast target -g RESOURCE_GROUP"
C:\Users\GILL>thelast -uGILL@franciscoer.m.in
Warning: unable to check latest CLI version.
(TP: use "thelast config --check-version=false" to disable update check.)

C:\Users\GILL>

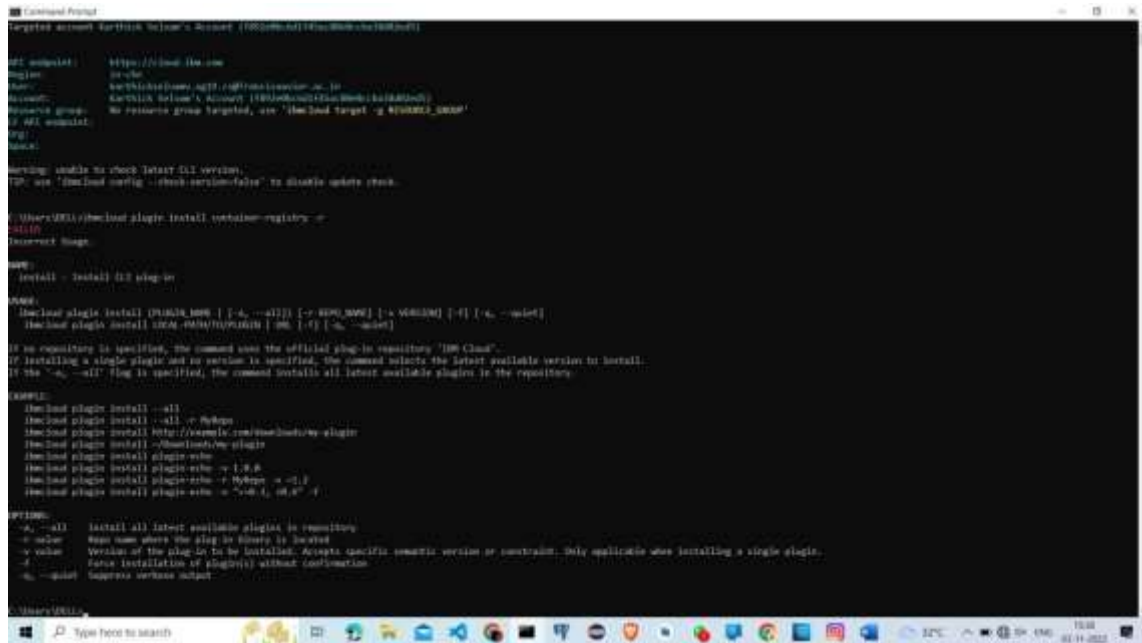
```

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.

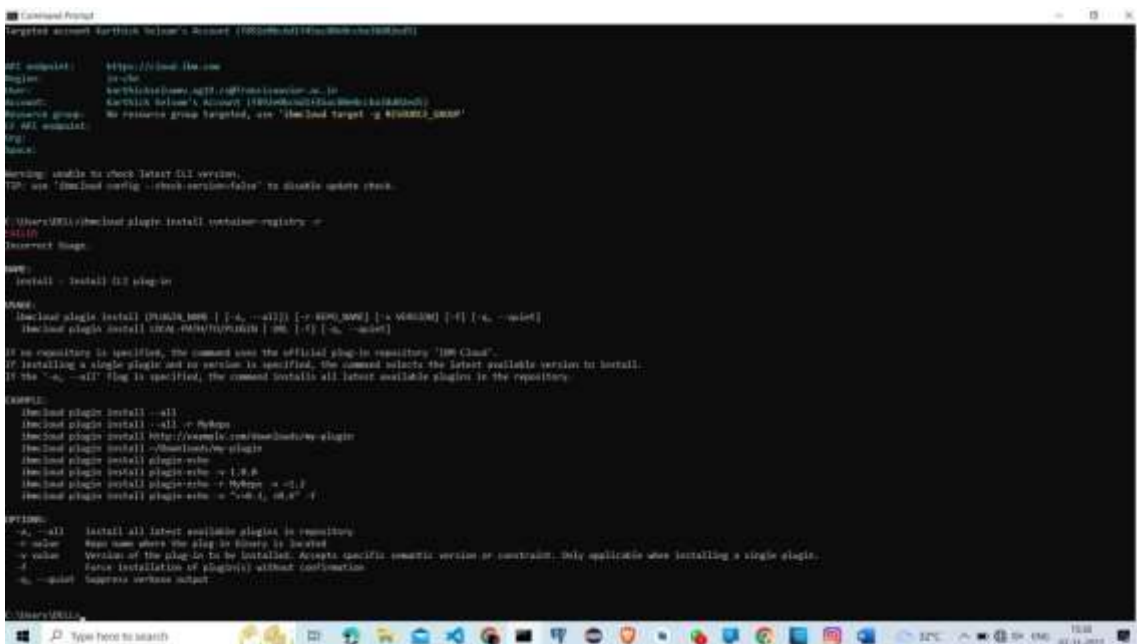
```
“ibmcloud plugin install container-registry -r”
```



SETTING UP APPLICATION ENVIRONMENT

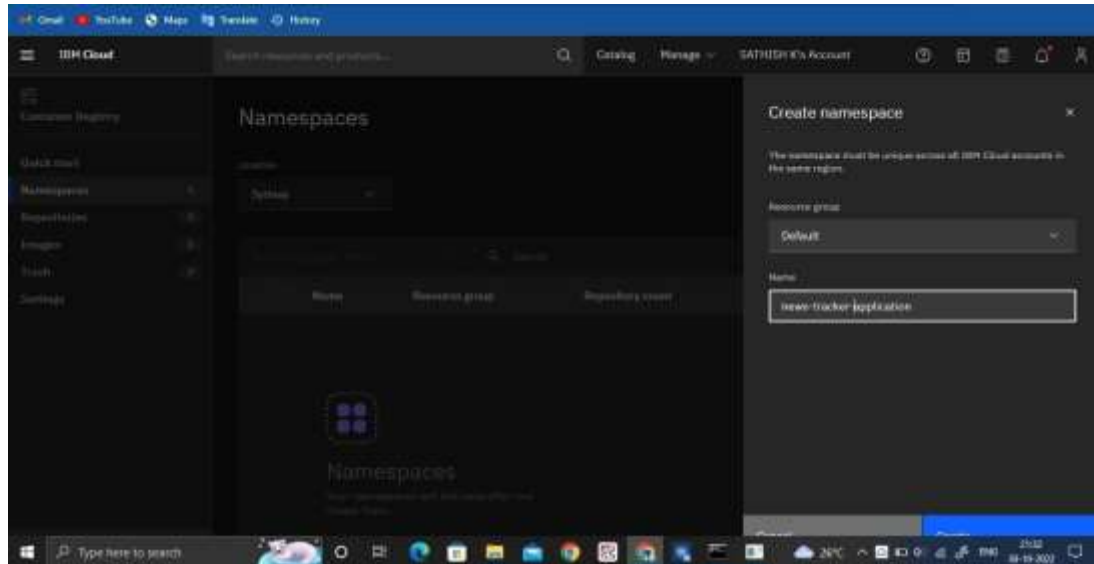


Step 11: Set your region to global .
 “ibmcloud cr region-set global”



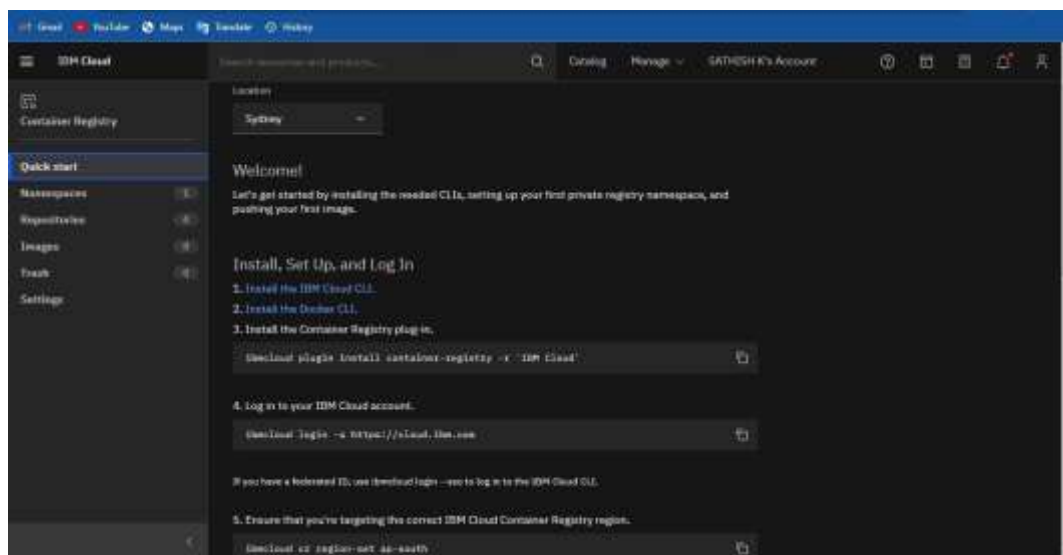
SETTING UP APPLICATION ENVIRONMENT

Step 12: Create namespace in your container registry



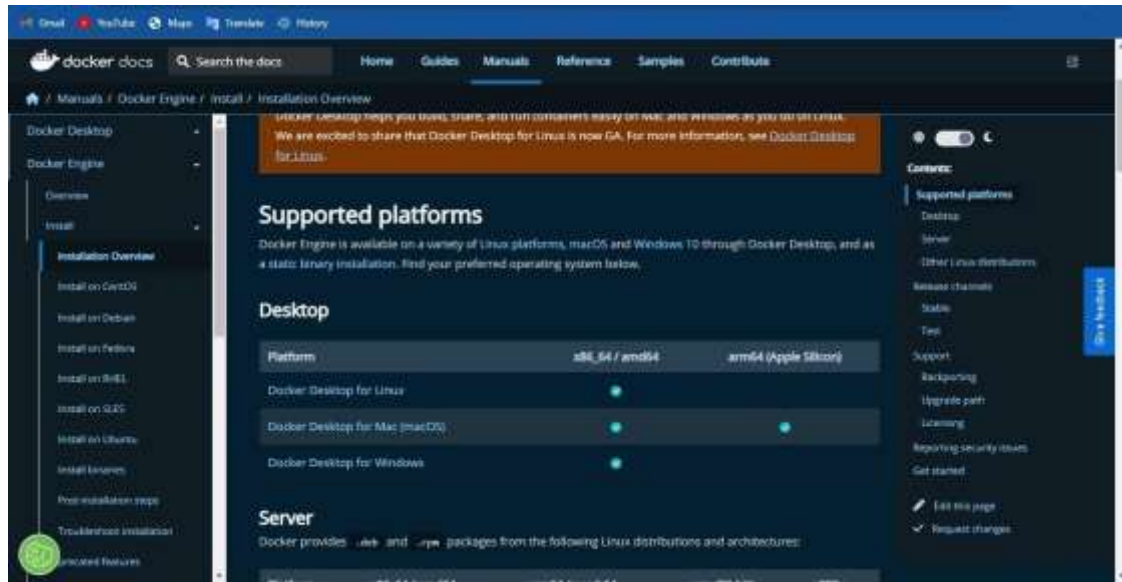
3. DOCKER CLI INSTALLATION:

Step1: Open container registry in ibm cloud and click on Install Docker CLI.

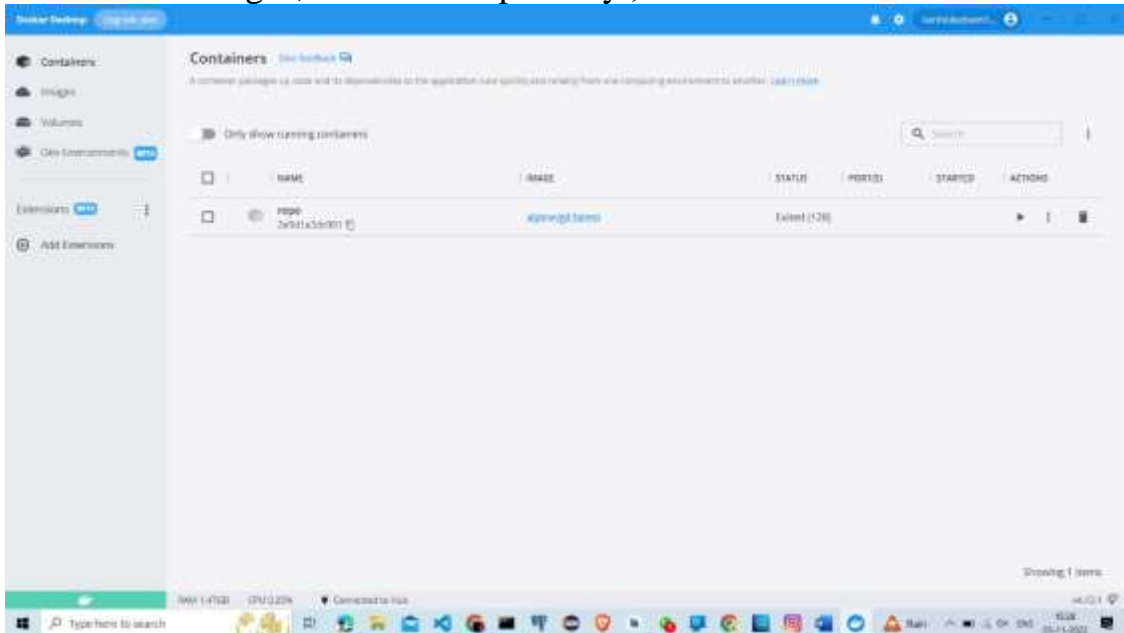


SETTING UP APPLICATION ENVIRONMENT

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....



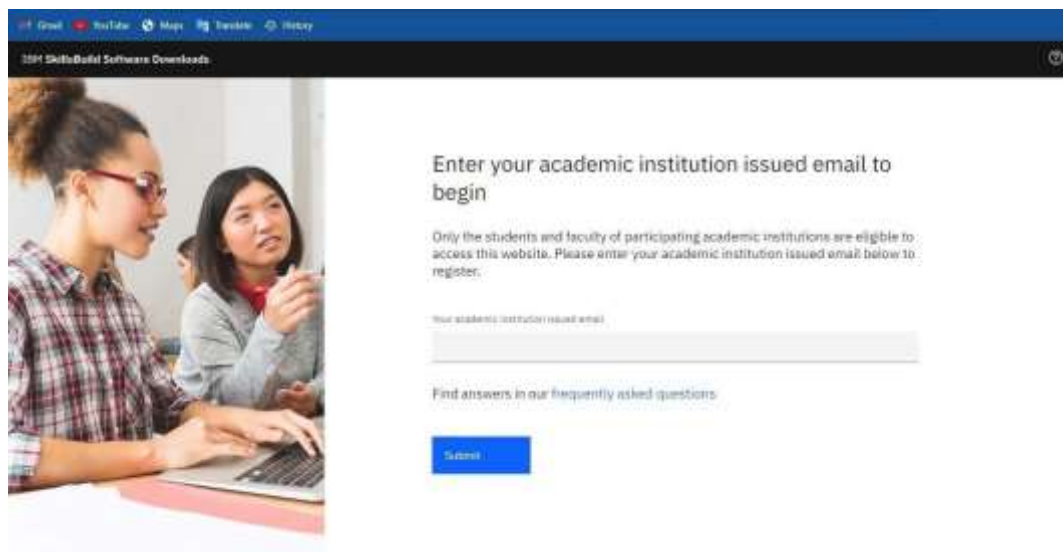
SETTING UP APPLICATION ENVIRONMENT

4. IBM CLOUD ACCOUNT CREATION:

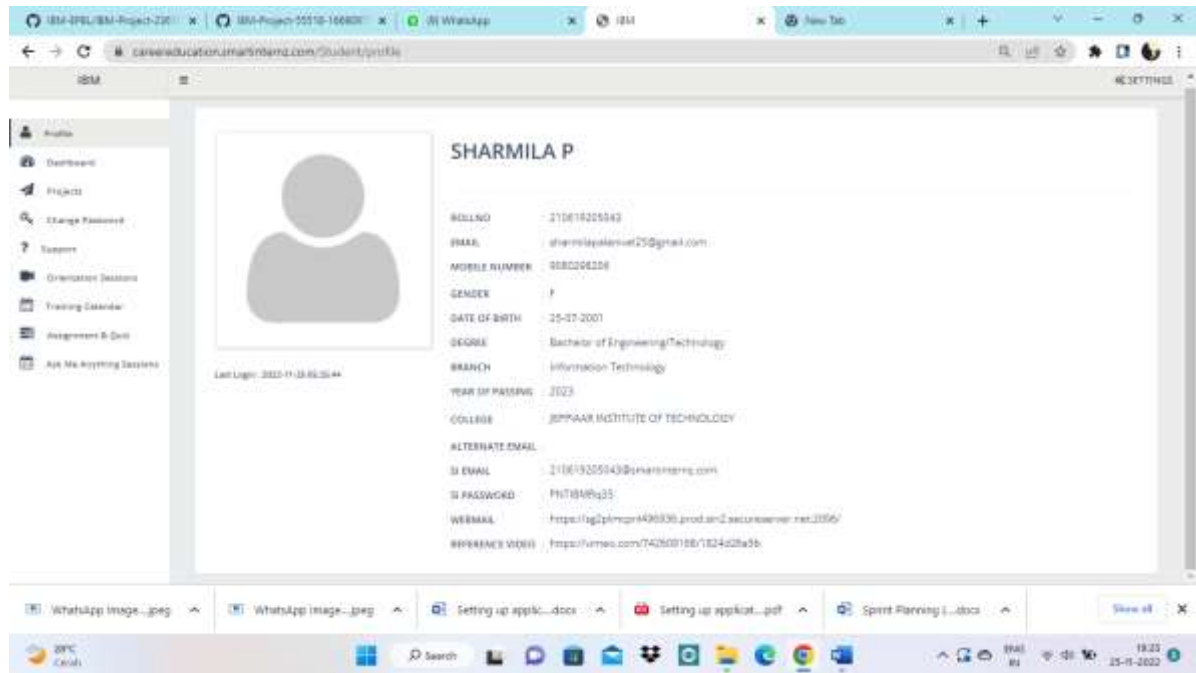
Step 1: Search for “ibm.com/academic” in the browser



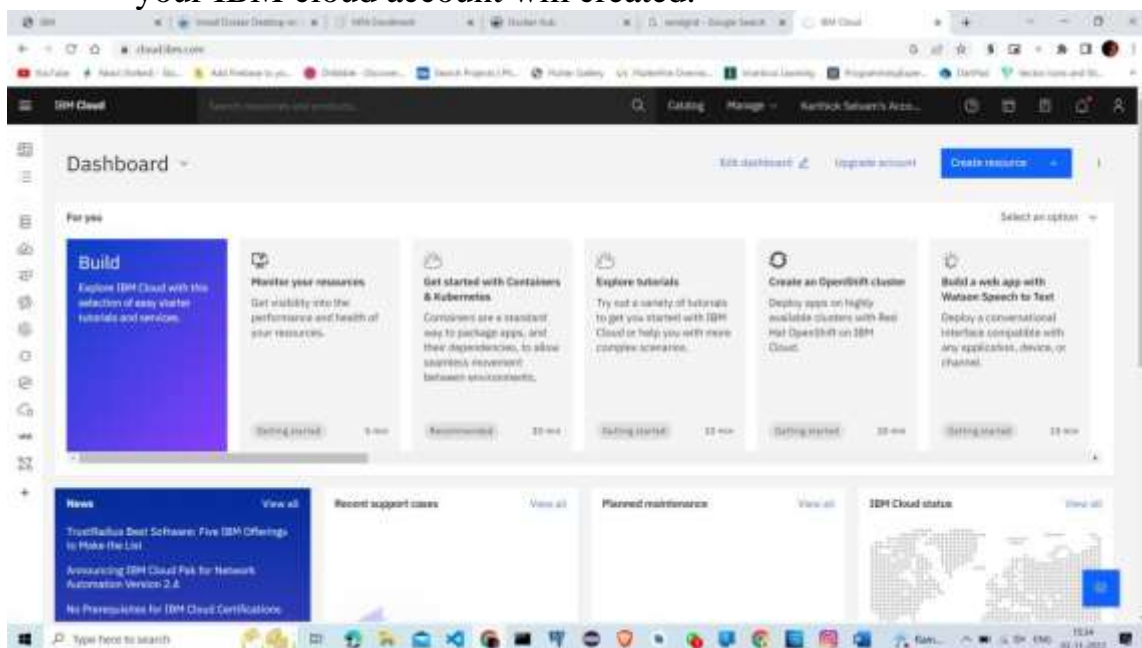
Step 2: Enter the mail issued by the academic institution and follow the procedure for entering the details which is provided as video link in your IBM profile.



SETTING UP APPLICATION ENVIRONMENT



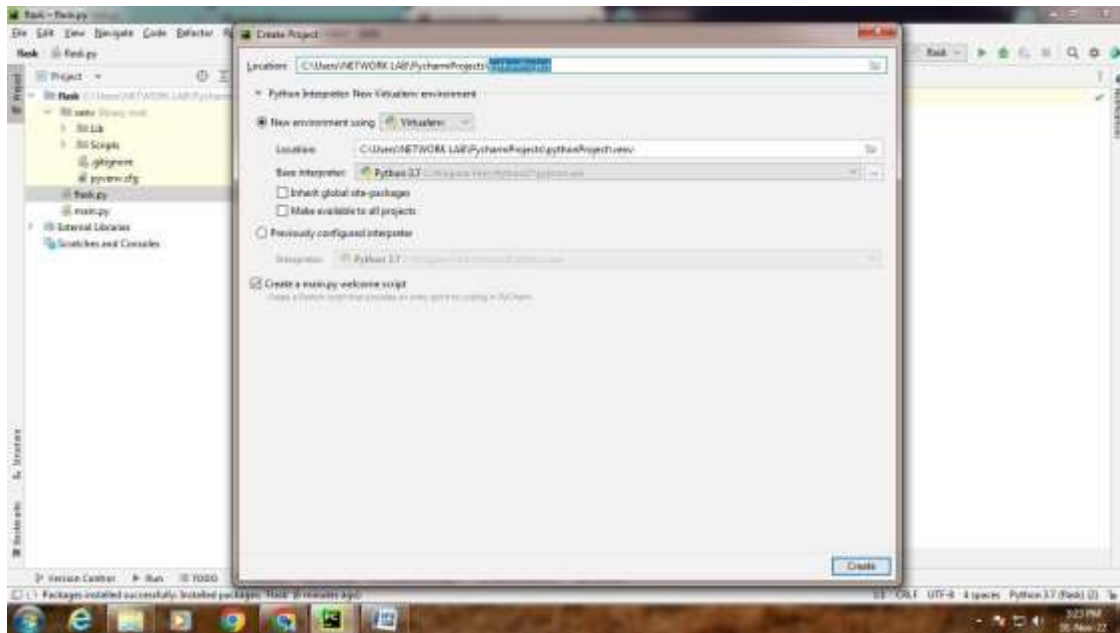
Step 3: After following the procedure that is given in reference video, your IBM cloud account will be created.



SETTING UP APPLICATION ENVIRONMENT

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

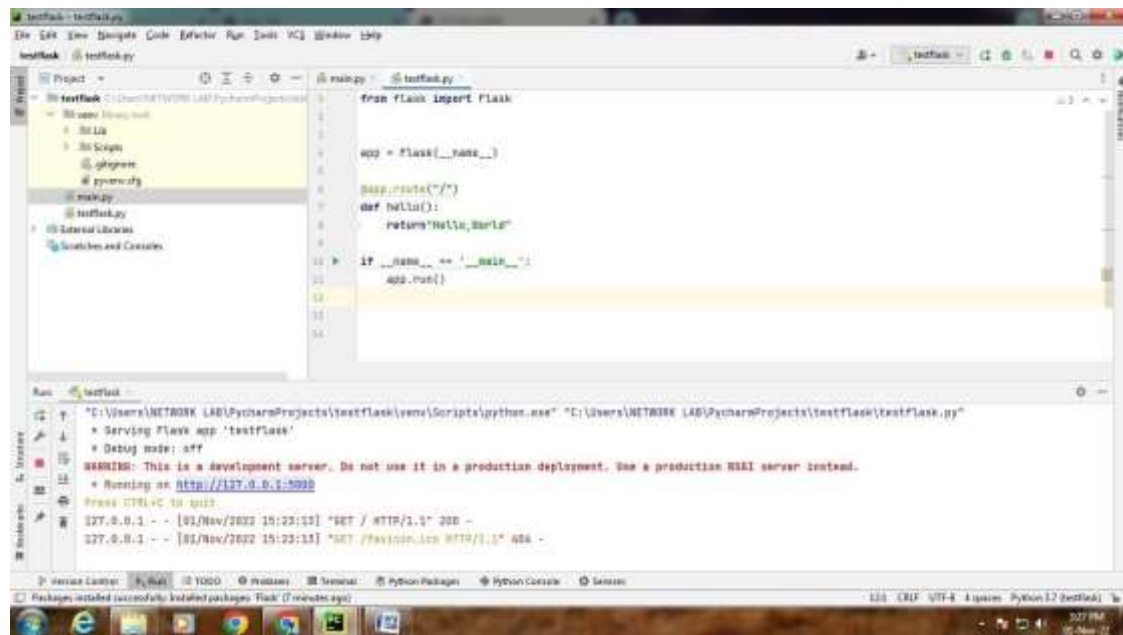
app = Flask(__name__)

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

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


SETTING UP APPLICATION ENVIRONMENT

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

SETTING UP APPLICATION ENVIRONMENT