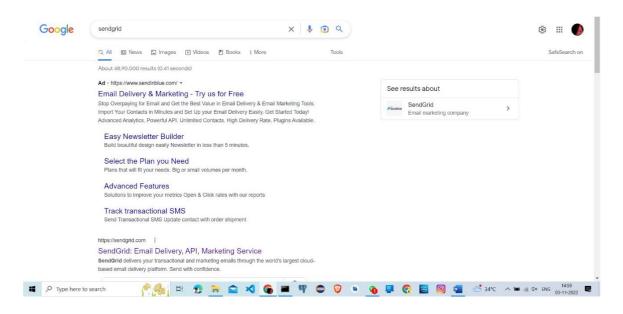
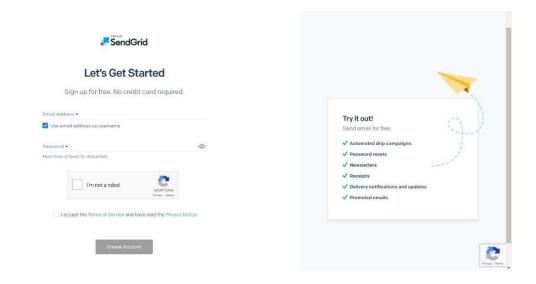
1. SENDGRID ACCOUNT CREATION:

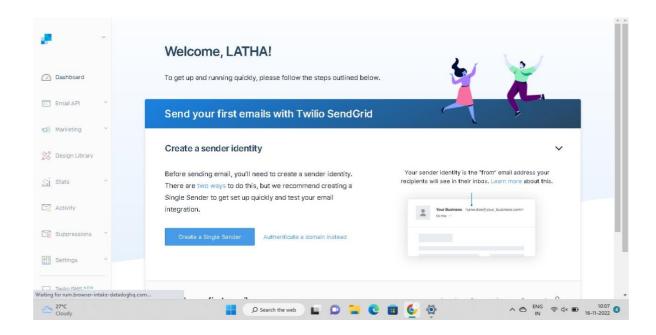
Step1: Search for the sendgrid https://sendgrid.com/



Step 2: Registering new account

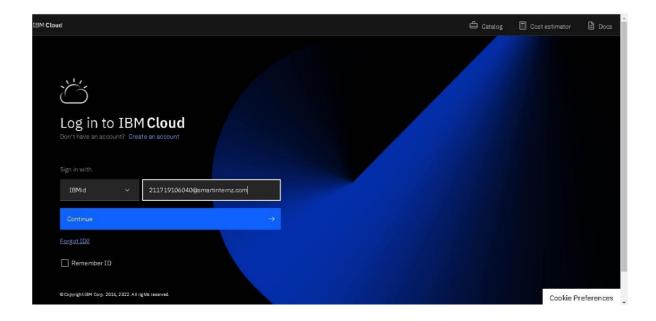


Step 3: Sendgrid account created

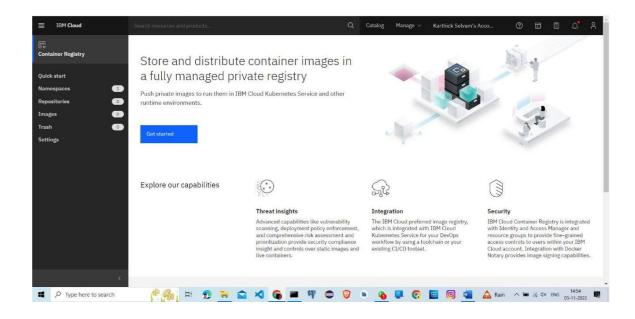


2. IBM CLOUD CLI INSTALLATION:

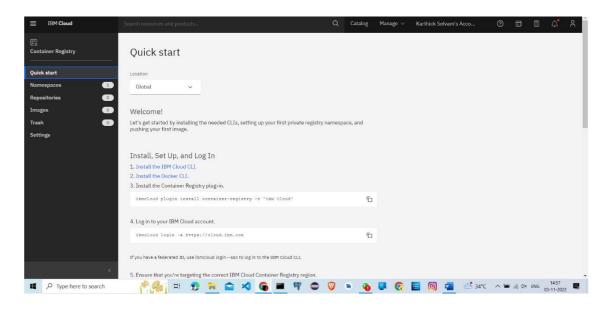
Step1: Log in to the IBM cloud



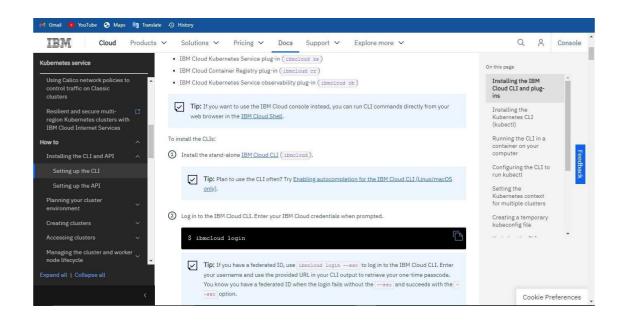
Step 2: Select container registry



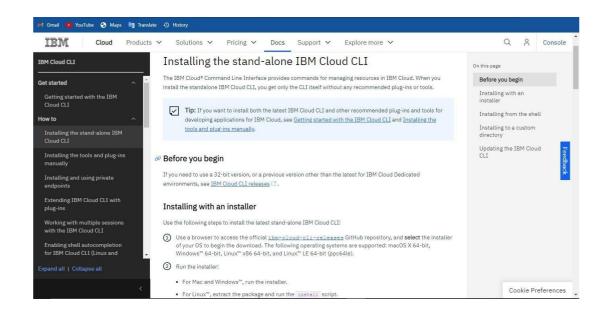
Step3: Select Quickstart to open container registry and click on install IBM Cloud CLI



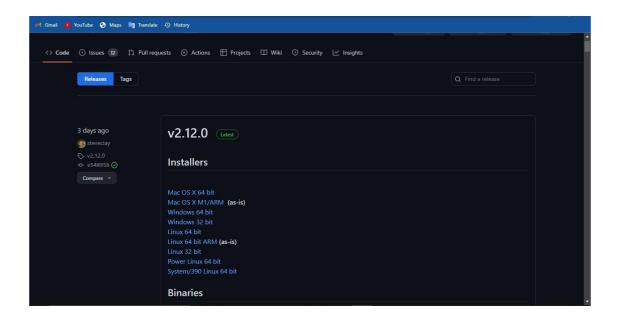
Step 4: Click on IBM Cloud CLI



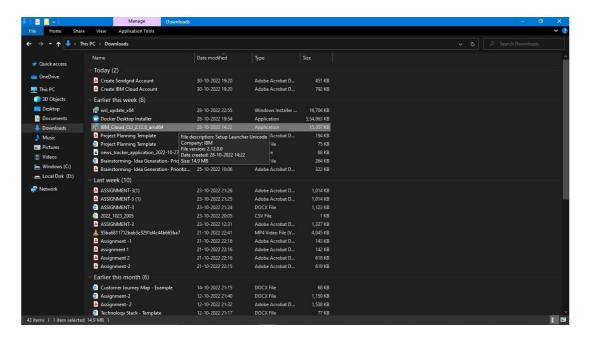
Step 5: And then, click on IBM Cloud CLI releases

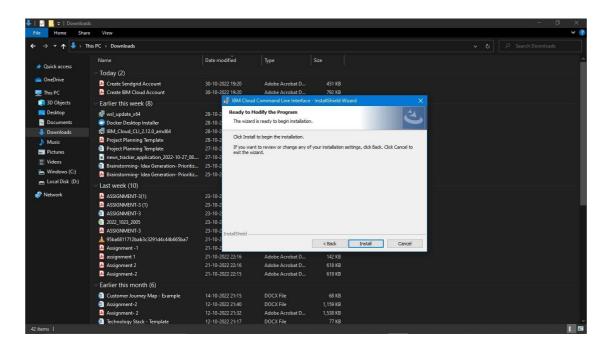


Step 6: After that, the github page will open and download the IBM CLIinstaller by selecting as per your system required installer.



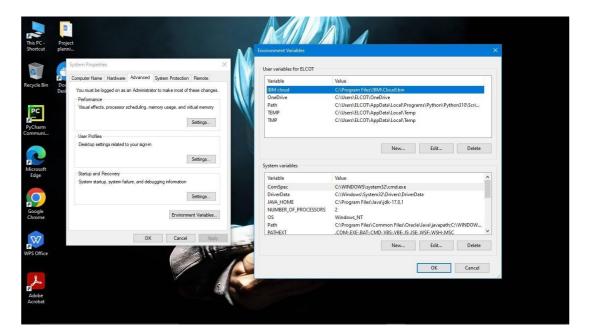
Step 7: After the download, click the downloaded setup to run the installer

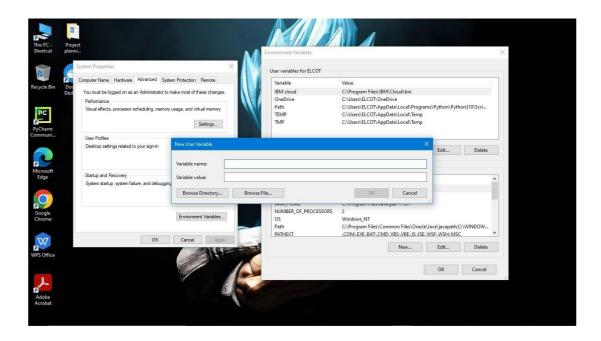




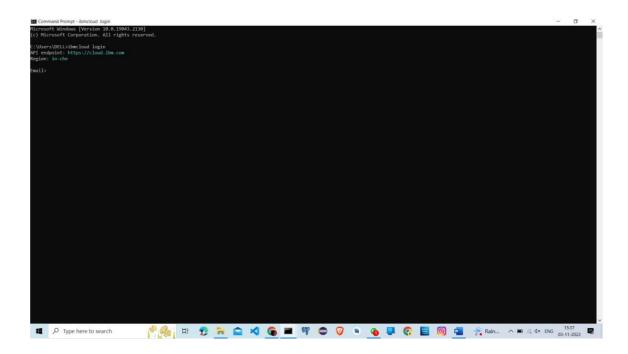
Step 8: After the installation set environment variable and then open CMD (Windows). Type this command to login in IBM cloud

"ibmcloud login"

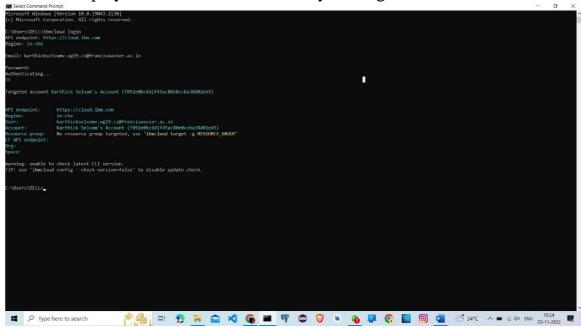




In the variable name, name it as "IBM Cloud" and in variable value the path location of the IBM.

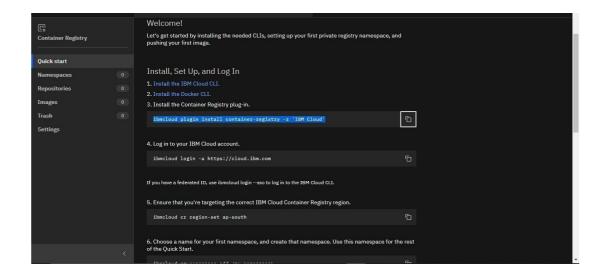


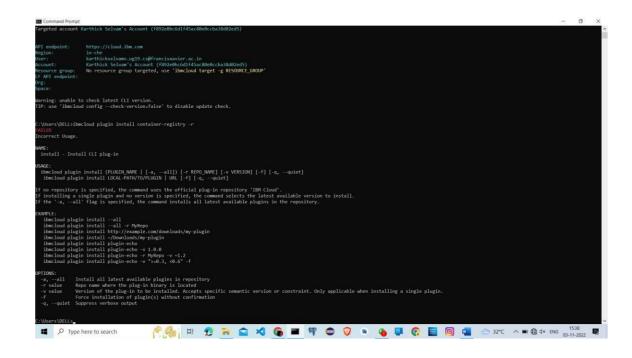
Step 9: Enter your IBM cloud email id and password, then it will authenticate and signals "OK". The number of regions will be displayed, select one of them for your targeted account.



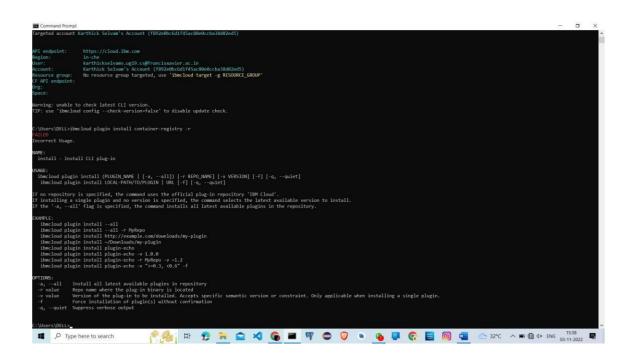
Step 10: Then copy the plugin command in your container registry (where the command displayed in your container registry which is opened on web browser) and paste and run it on cmd.

"ibmcloud plugin install container-registry -r"

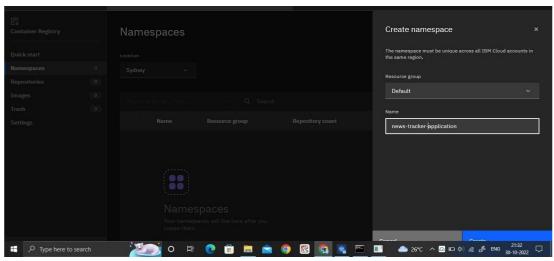




Step 11: Set your region to global. "ibmcloud cr region-set global"

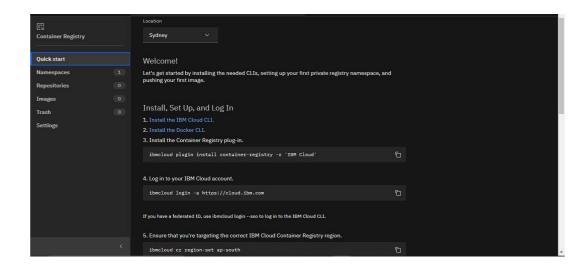


Step 12: Create namespace in your container registry

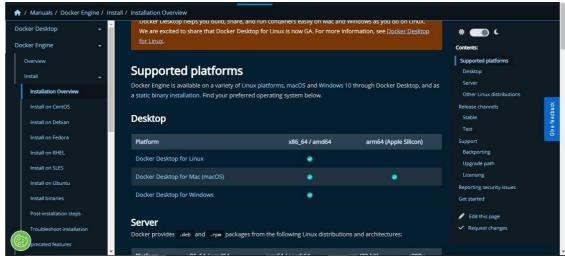


3. DOCKER CLI INSTALLATION:

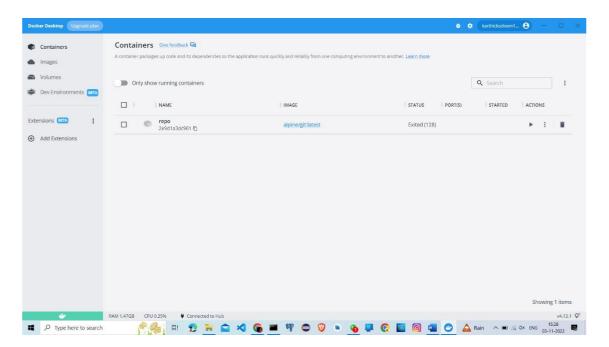
Step1: Open container registry in ibm cloud and click on Install Docker CLI.



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

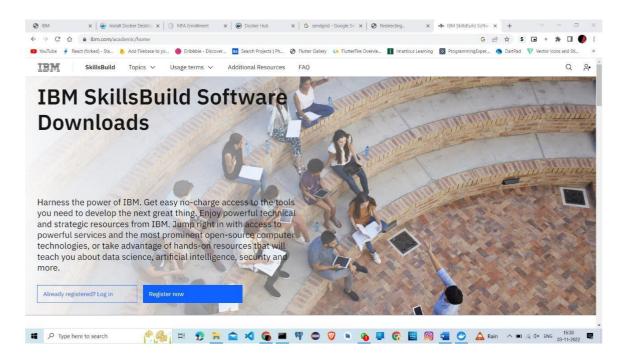


Step 3: After the setup download, run the setup and then open it and push the images, create the repository, etc....

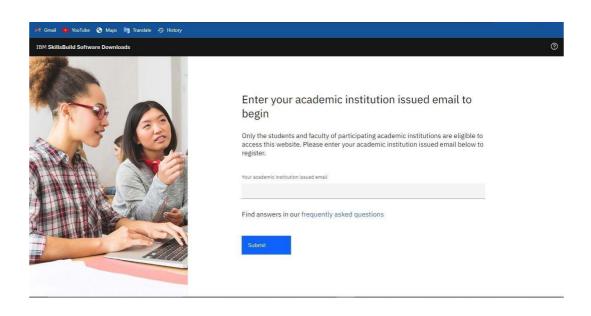


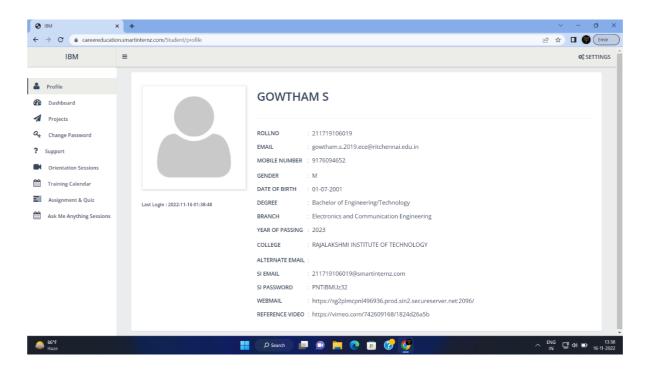
4. IBM CLOUD ACCOUNT CREATION:

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

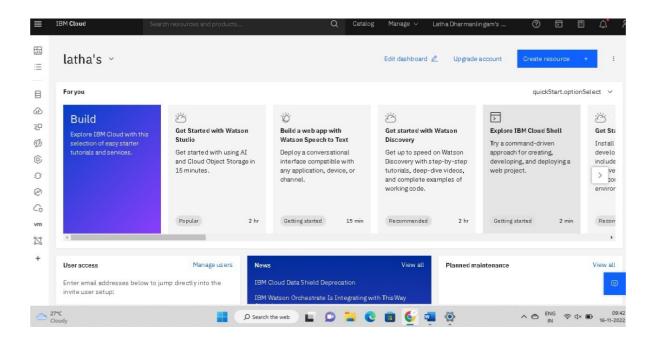


Step 2: Enter the mail issued by the academic institution and follow the procedure for entering the details which is provided as video link in your IBM profile.



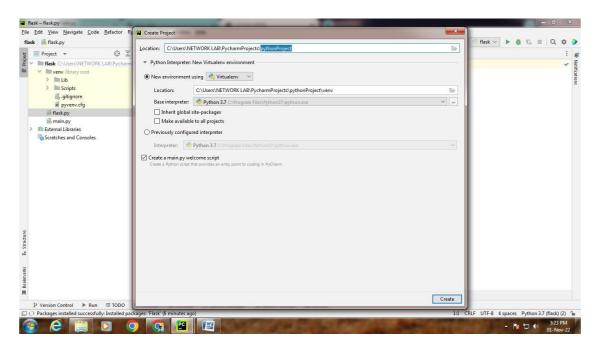


Step 3: After following the procedure that is given in reference video, your IBM cloud account will be created.



5.CREATING A FLASK PROJECT:

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



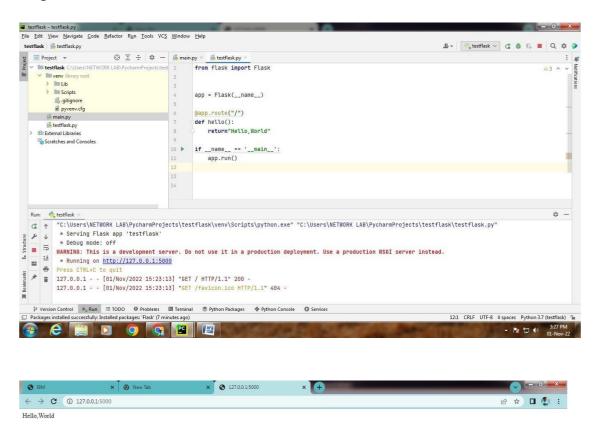
Step 2: Enter the following code to create the flask project

```
from flask import Flask
app = Flask(_name_)

dapp.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" in the browser page