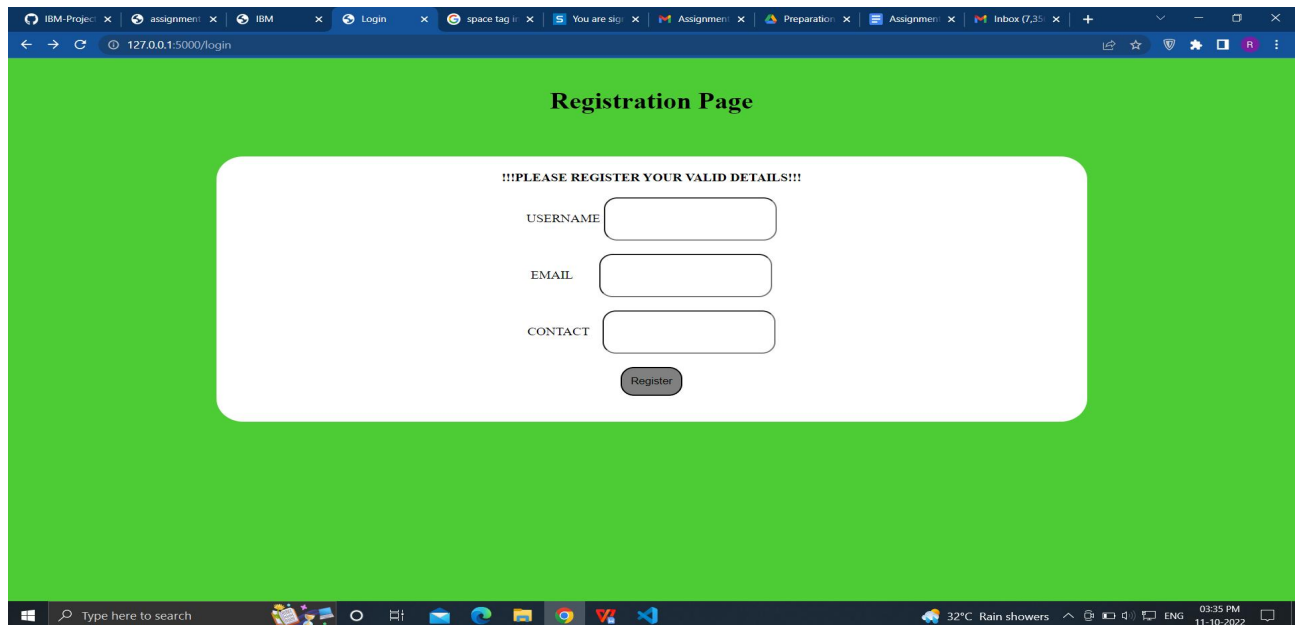
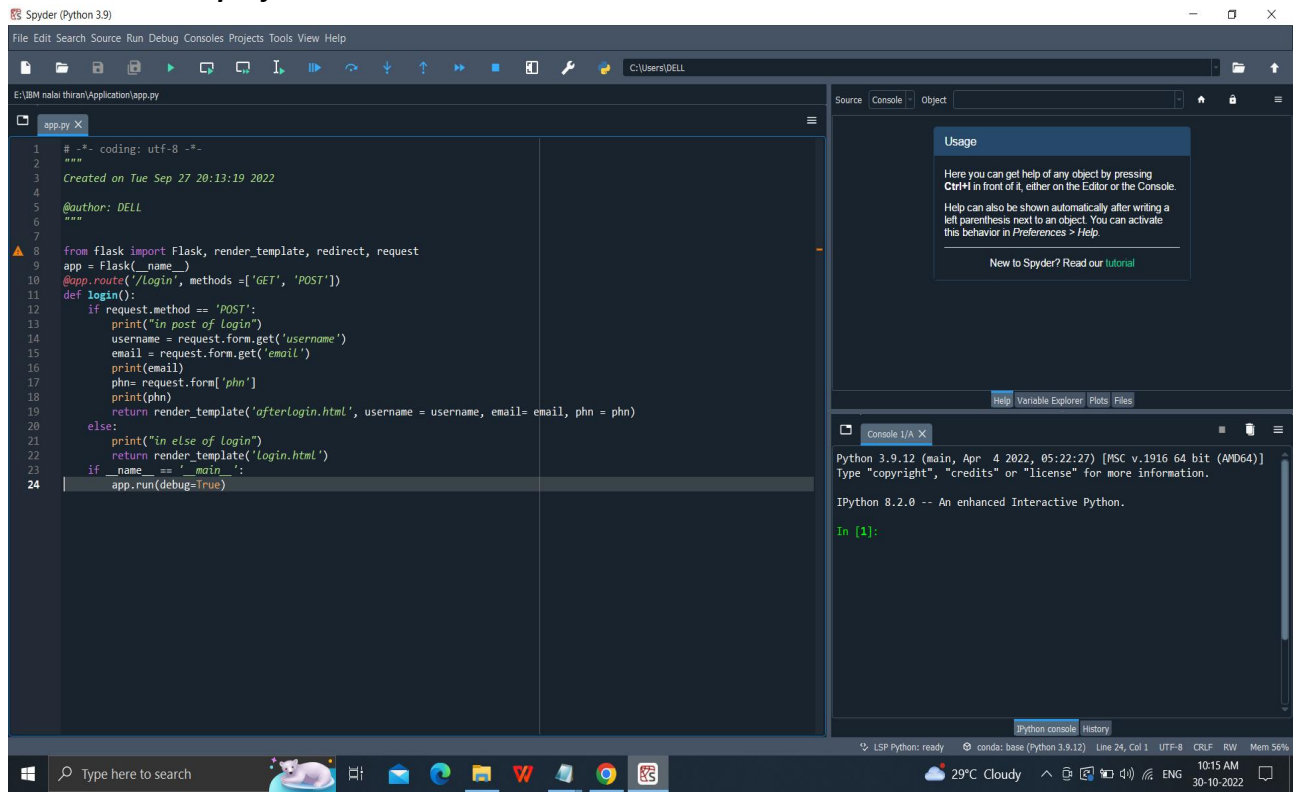
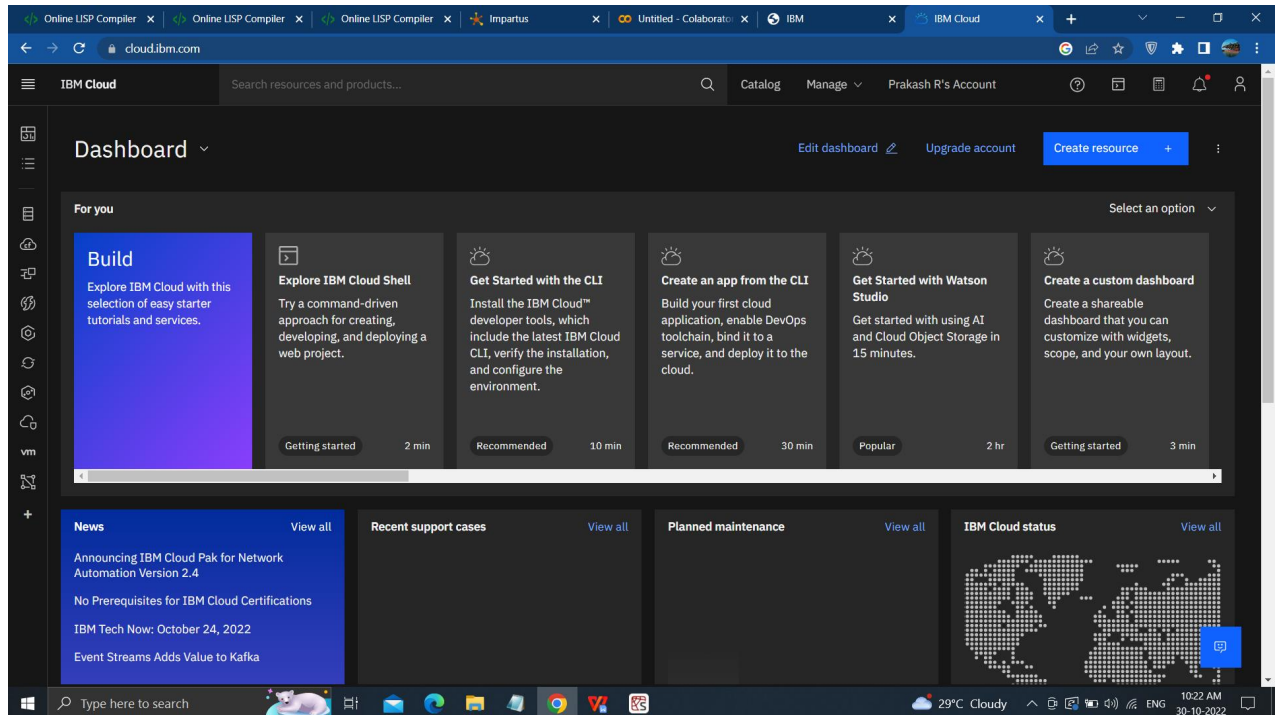


# SETTING UP APPLICATION ENVIRONMENT

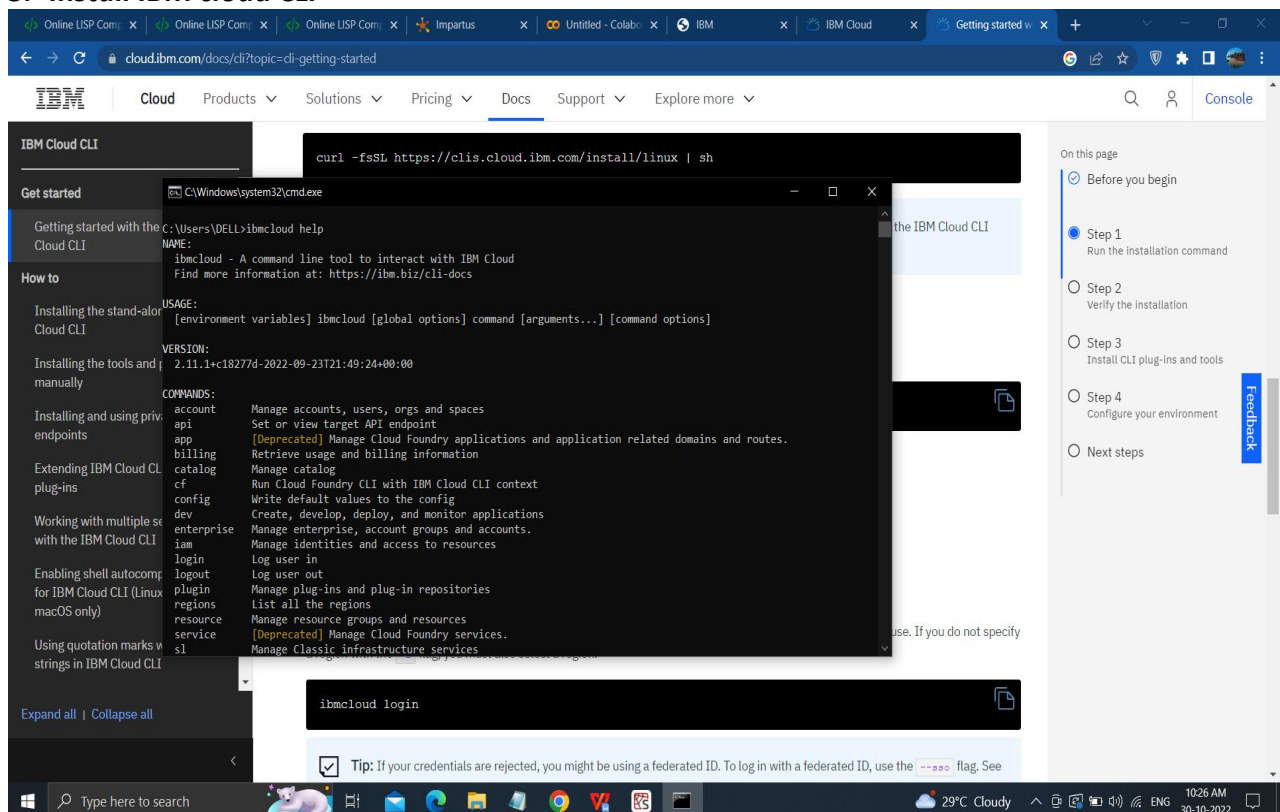
## 1. Create Flask project



## 2. Create IBM cloud account



## 3. Install IBM cloud CLI



The screenshot shows the IBM Cloud CLI documentation page at [cloud.ibm.com/docs/cli?topic=cli-getting-started](https://cloud.ibm.com/docs/cli?topic=cli-getting-started). The left sidebar lists sections like 'Get started', 'How to', and 'Expand all'. The main content area displays the 'Step 1: Run the installation command' section, which includes a terminal window showing the `ibmcloud login` command and its output. The output shows the user's account details and the API endpoint. A tip at the bottom suggests using a federated ID for login.

```
C:\Windows\system32\cmd.exe - ibmcloud login
--help, -h

C:\Users\DELL>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: us-south
Email> rp362002_cs@mepcoeng.ac.in
Password>
Authenticating...
Targeted account Prakash R's Account (f836a82b07614f799c9d054b7e832ac0)

ibmcloud login
API endpoint: https://cloud.ibm.com
Region: us-south
User: rp362002_cs@mepcoeng.ac.in
Account: Prakash R's Account (f836a82b07614f799c9d054b7e832ac0)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

To manage new version 2.12.0 is available.
Change logs: https://github.com/IBM-Cloud/ibm-cloud-cli-release/releases/tag/v2.12.0
TIP: use 'ibmcloud config --check-version=false' to disable update check.

Step 1
Do you want to update? [y/N] >

Log in to IBM Cloud with your IBMid. If you have multiple accounts, you are prompted to select which account to use. If you do not specify a region with the --region flag, you must also select a region.
```

## 4. DOCKER CLI installation

The screenshot shows the Docker Desktop application window. The 'Containers' tab is active, displaying a list of containers. The 'Images' tab is also visible, showing a list of images. The 'docker/getting-started' image is highlighted, and its details are shown in the right pane. The details include the image ID, the digest, and the status of the download. The status is 'Downloaded newer image for docker/getting-started:latest'. The bottom status bar shows 'RAM 2.76GB', 'CPU 0.11%', and 'Not connected to Hub'.

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\DELL>docker run -d -p 80:80 docker/getting-started
Unable to find image 'docker/getting-started:latest' locally
latest: Pulling from docker/getting-started
df9b938f04a: Already exists
58b7d0a5fcd: Pull complete
4b639e65cb3b: Pull complete
061ed92b976: Pull complete
bc19f3e8eeb1: Pull complete
4871be97c256: Pull complete
79b586f1a54b: Pull complete
0c9732f525d6: Pull complete
Digest: sha256:b558be874169471bd4e65bd6eac8c383b771a7ee0553ba47481b73b2bf597aee
Status: Downloaded newer image for docker/getting-started:latest
1488f68848d3de3b37138cd289d426e3328914f39d5bd09385f2674e7bc16de0
docker: Error response from daemon: driver failed programming external connectivity on endpoint affectionate_ritchie (5b
a285d0a6a3d92150f23d17ba76dfc8ff75eb69dc6db53c9729fc84eaa4a48): Bind for 0.0.0.0:80 failed: port is already allocated.

C:\Users\DELL>
```