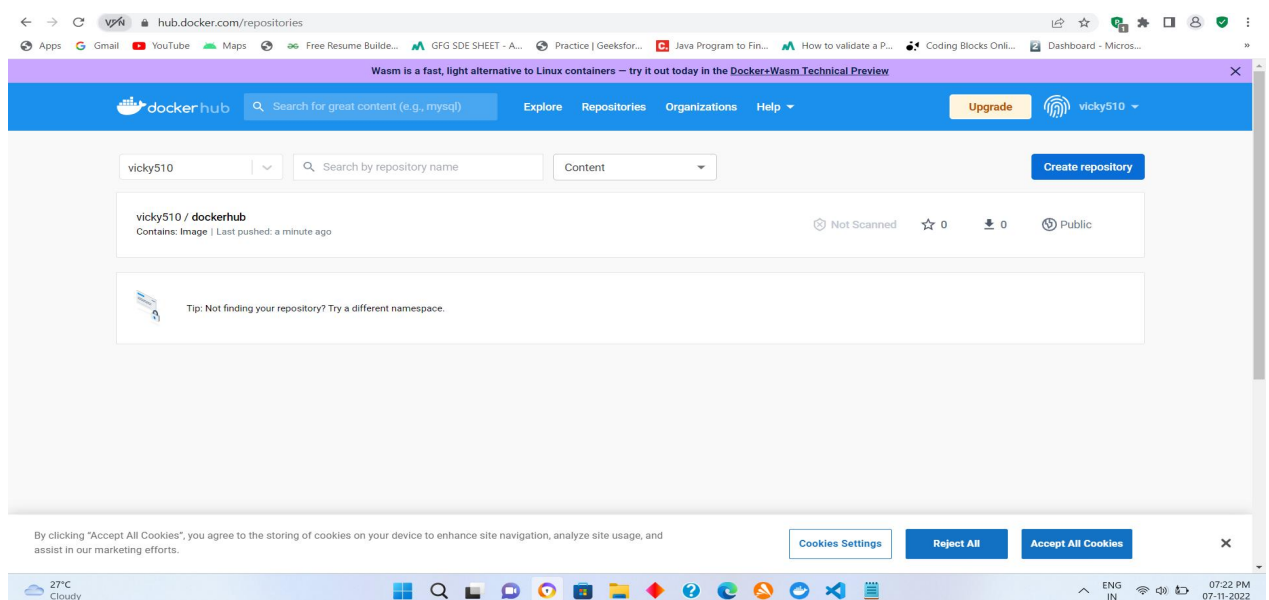


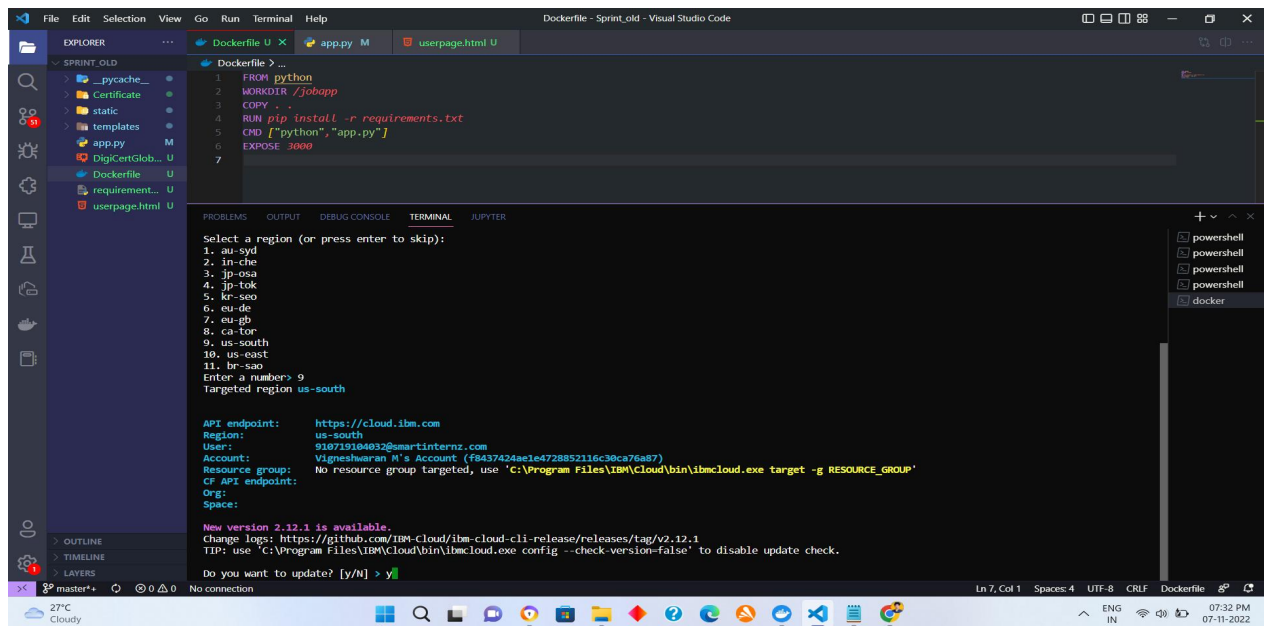
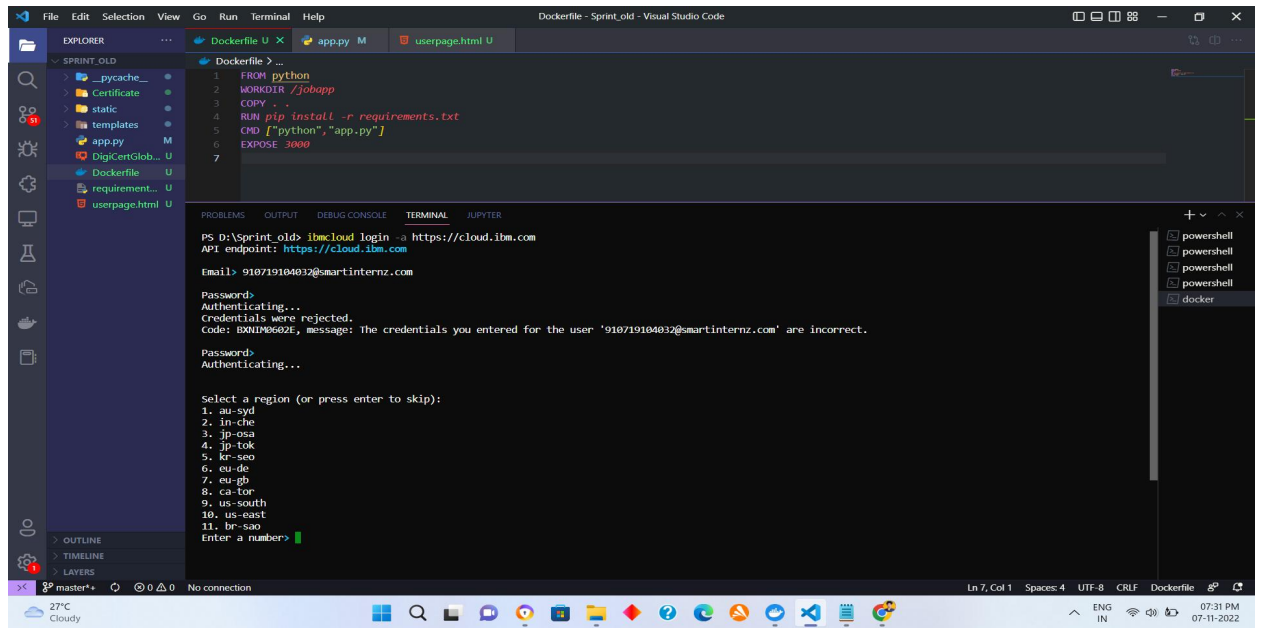
# Deployment of App in IBM Cloud

## Upload image to IBM Container Registry

Date	22 October 2022
Team ID	PNT2022TMID53971
Project Name	Skill and Job Recommender Application
Maximum Marks	2 Marks

## Containerize the App :





The screenshot shows the Visual Studio Code interface with a Dockerfile open in the editor. The Dockerfile contains the following instructions:

```
1 FROM python
2 WORKDIR /jobapp
3 COPY . .
4 RUN pip install -r requirements.txt
5 CMD ["python", "app.py"]
6 EXPOSE 3000
7
```

The terminal window shows the execution of the `ibmcloud login` command. The output indicates that the user is logging in to the IBM Cloud account `Vigneshwaran M's Account` and selecting the `jp-tok` region.

```
PS D:\Sprint_old> ibmcloud login -a https://cloud.ibm.com
API endpoint: https://cloud.ibm.com

Email> 910719104032@smartinternz.com

Password:
Authenticating...
OK

Targeted account Vigneshwaran M's Account (f8437424ae1e4728852116c30ca76a87)

Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-seo
6. eu-de
7. eu-gb
8. ca-tor
9. us-south
10. us-east
11. br-sao
Enter a number> 4
Targeted region jp-tok
```

The screenshot shows the Visual Studio Code interface with the same Dockerfile open. The terminal window shows the execution of the `ibmcloud` command to install the `container-registry` plugin and add a namespace.

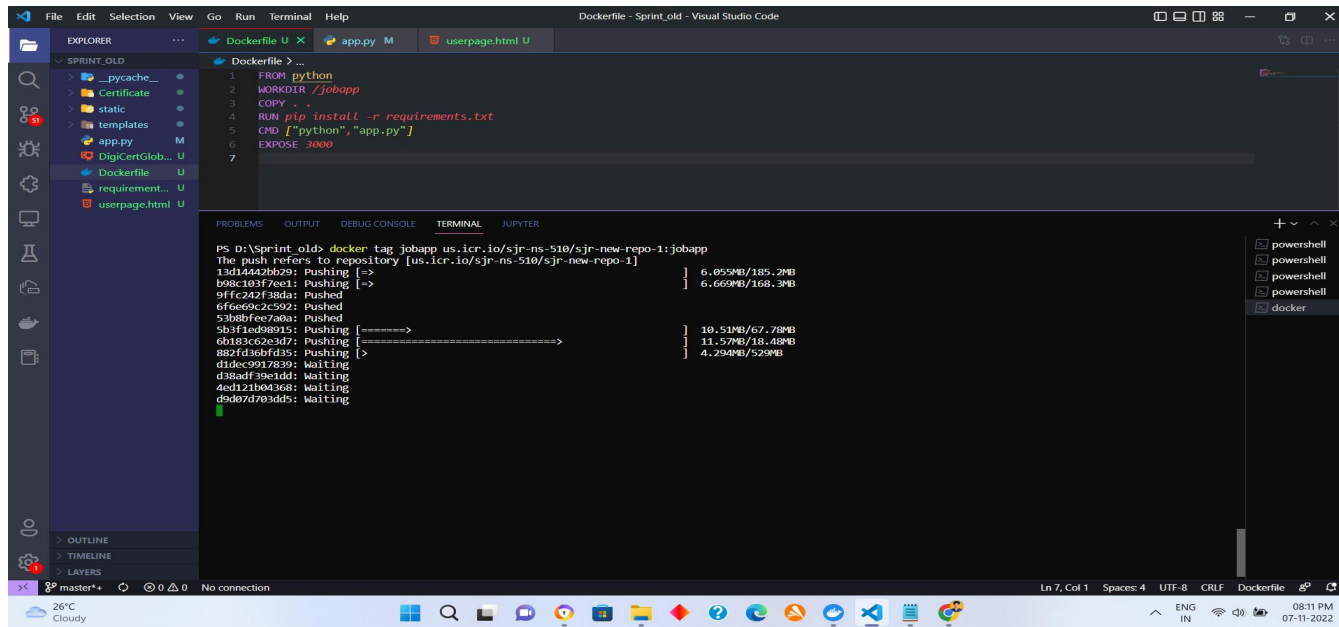
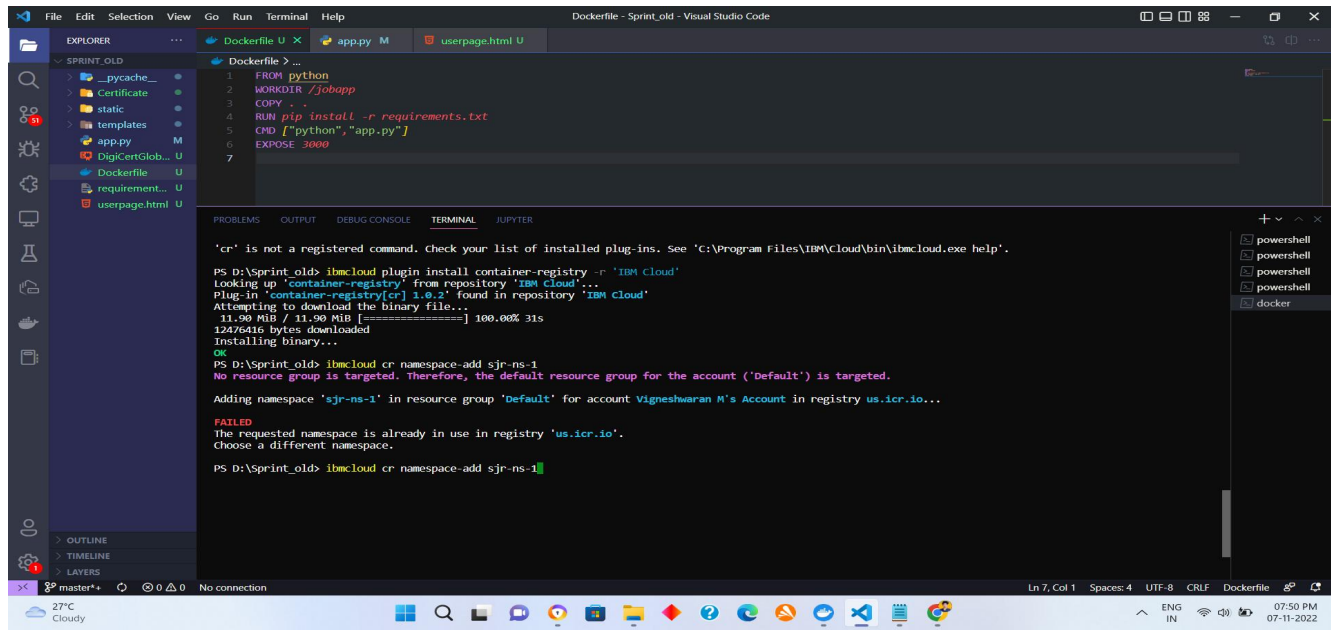
```
Region: jp-tok
User: 910719104032@smartinternz.com
Account: Vigneshwaran M's Account (f8437424ae1e4728852116c30ca76a87)
Resource group: No resource group targeted, use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

PS D:\Sprint_old> ibmcloud cr region-set jp-tok
FAILED
'cr' is not a registered command. Check your list of installed plug-ins. See 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe help'.

PS D:\Sprint_old> ibmcloud cr region-set jp-tok
FAILED
'cr' is not a registered command. Check your list of installed plug-ins. See 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe help'.

PS D:\Sprint_old> ibmcloud plugin install container-registry -r 'IBM Cloud'
Looking up 'container-registry' from repository 'IBM Cloud'...
Plug-in 'container-registry[cr] 1.0.2' found in repository 'IBM Cloud'
Attempting to download the binary file...
11.90 MiB / 11.90 MiB [=====] 100.00% 31s
12476416 bytes downloaded
Installing binary...
OK

PS D:\Sprint_old> ibmcloud cr namespace-add sjr-ns-1
No resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.
Adding namespace 'sjr-ns-1' in resource group 'Default' for account Vigneshwaran M's Account in registry us.icr.io...
FAILED
The requested namespace is already in use in registry 'us.icr.io'.
```



The screenshot shows the Visual Studio Code interface with a Dockerfile open in the editor. The Dockerfile contains the following content:

```
1 FROM python
2 WORKDIR /jobapp
3 COPY . .
4 RUN pip install -r requirements.txt
5 CMD ["python", "app.py"]
6 EXPOSE 3000
7
```

The terminal window shows the following commands and output:

```
PS D:\Sprint_old> ibmcloud cr namespace-add sjr-ns-510
No resource group is targeted. Therefore, the default resource group for the account ('Default') is target
ed.

Adding namespace 'sjr-ns-510' in resource group 'Default' for account Vigneshwaran M's Account in registry us.icr.io...
Successfully added namespace 'sjr-ns-510'

OK
PS D:\Sprint_old> ibmcloud cr login
Logging 'docker' in to 'us.icr.io'...
Logged in to 'us.icr.io'.

OK
PS D:\Sprint_old> docker pull jobapp
Using default tag: latest
Error response from daemon: pull access denied for jobapp, repository does not exist or may require 'docker login': denied: requested access to the resource is
denied
PS D:\Sprint_old> docker login
Authenticating with existing credentials...
Login Succeeded

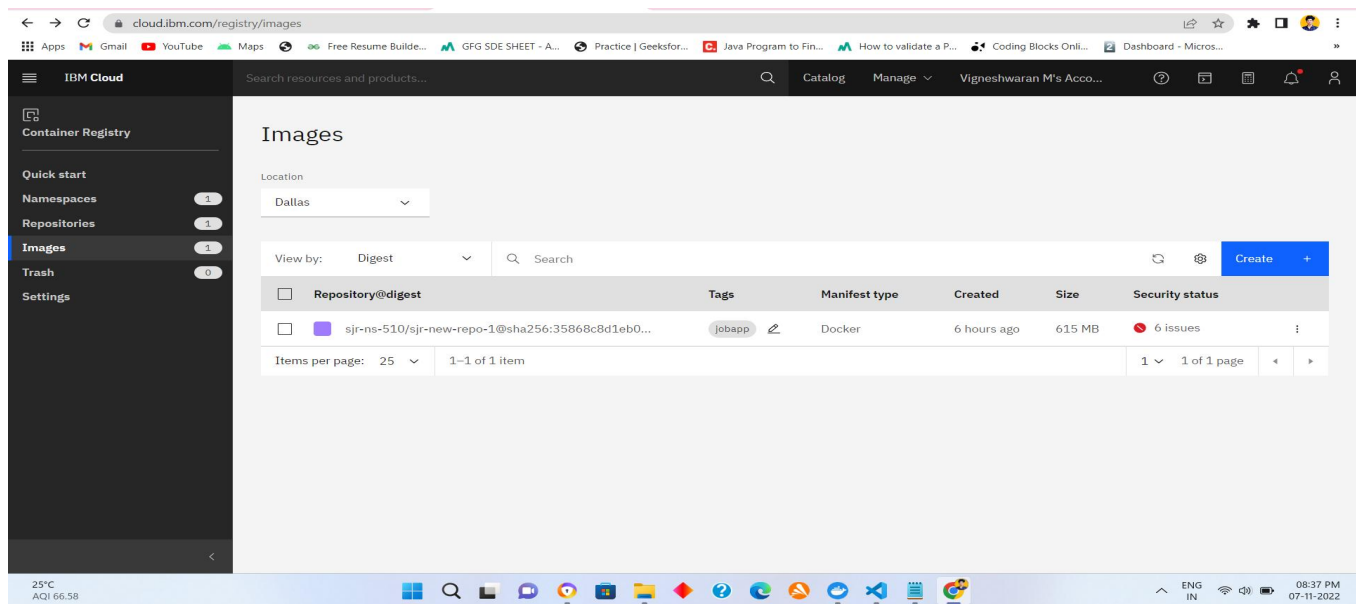
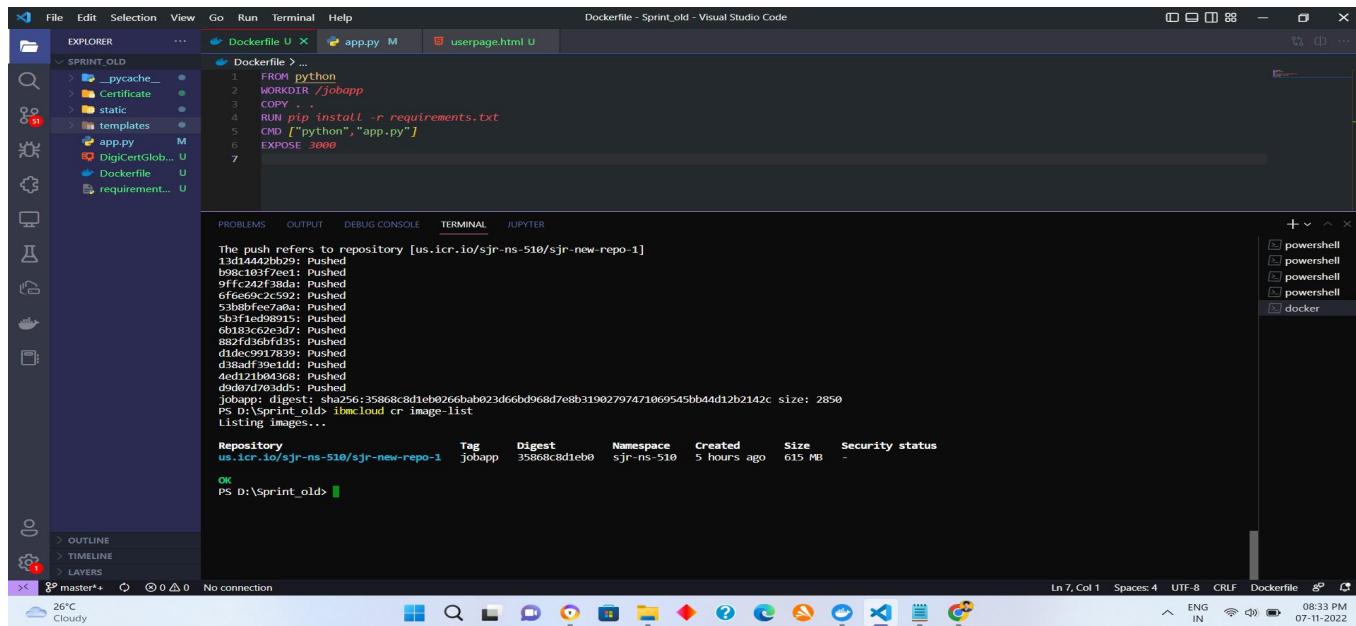
Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/
PS D:\Sprint_old> docker pull jobapp
Using default tag: latest
Error response from daemon: pull access denied for jobapp, repository does not exist or may require 'docker login': denied: requested access to the resource is
denied
PS D:\Sprint_old> docker pull jobapp
Using default tag: latest
```

The screenshot shows the Visual Studio Code interface with the same Dockerfile open. The terminal window shows the following commands and output:

```
The push refers to repository [us.icr.io/sjr-ns-510/sjr-new-repo-1]
13d14428b29: Pushed
b98c103f7ee1: Pushed
9ffc242f38da: Pushed
6f6e69c2c592: Pushed
53b8bfec7a8a: Pushed
5b3f1ed98915: Pushed
6b183c62e3d7: Pushed
882fd3e8fd35: Pushed
d1dec9917839: Pushed
d38adf39e1dd: Pushed
4ed121b04368: Pushed
db4d7d703dd5: Pushed
jobapp: digest: sha256:35868c8d1eb0266bab023d66bd968d7e8b31902797471869545bb44d12b2142c size: 2850
PS D:\Sprint_old> ibmcloud cr image-list
Listing images...

Repository          Tag      Digest              Namespace      Created      Size      Security status
us.icr.io/sjr-ns-510/sjr-new-repo-1  jobapp  35868c8d1eb0       sjr-ns-510     5 hours ago  615 MB    -

OK
PS D:\Sprint_old>
```



cloud.ibm.com/kubernetes/clusters/cdkhv8vf023scf2974lg/nodes

AppsGmailYouTubeMapsFree Resume Builde...GFG SDE SHEET - A...Practice | Geeksfor...Java Program to Fin...How to validate a P...Coding Blocks Onli...Dashboard - Micros...

IBM CloudSearch resources and products...CatalogManageVigneshwaran M's Acco...

Clusters /mycluster-skillNormalExpires in 29 daysAdd tagsHelpKubernetes dashboardActions...

OverviewWorker nodesWorker poolsDevOpsNew

Pool: Filter...Search

	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000fb		Normal	default	Milan 01	10.144.188.180	169.51.195.143	1.24.6_1541

Items per page: 251-1 of 1 item11 of 1 page

28°C Cloudy

ENG IN01:16 PM08-11-2022