ASSIGNMENT-4

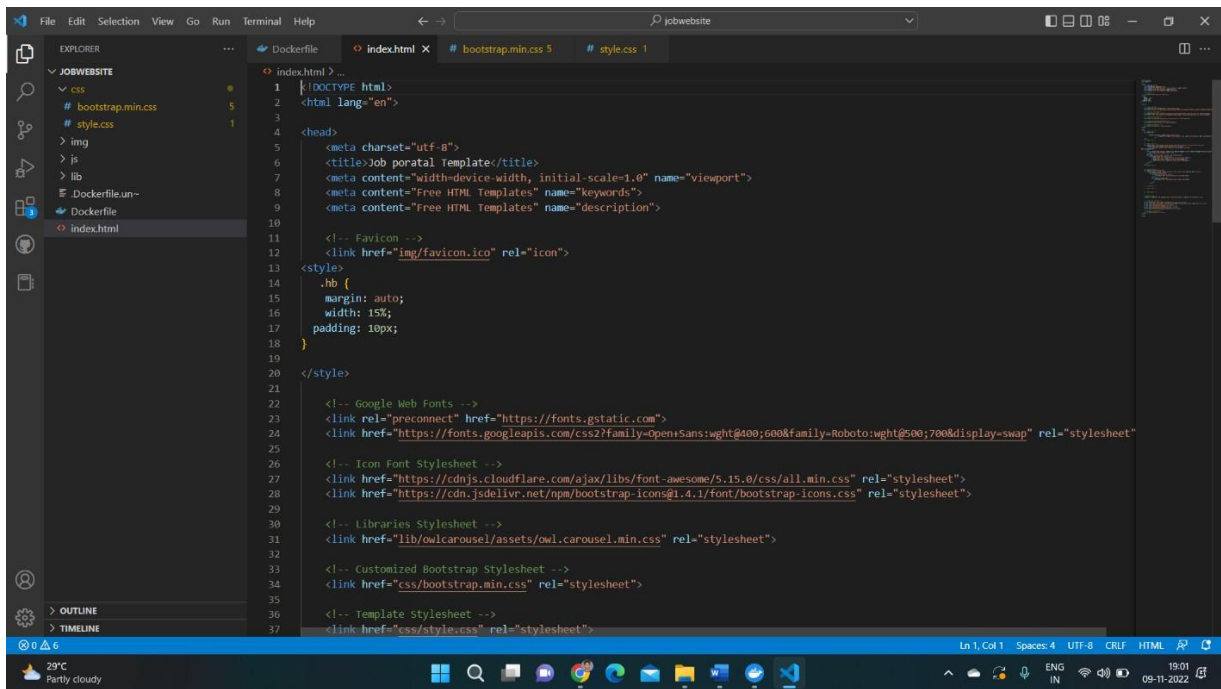| Name	S S V K Sahit
Assignment Date	12 November 2022
Team ID	PNT2022TMID03974
Maximum Marks	2 Marks

Question 1:

Pull an Image from docker hub and run it in docker playground.

```
C:\Users\Venkata Naveen>docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
```

Question 2:

Create a docker file for the job portal application and deploy it in Docker desktop application.

IBM Naliya Thiran

Skill and Job Recommender

Question 3:

Create a IBM container registry and deploy helloworld app or skill/job recommender app.

```
Microsoft Windows [Version 10.0.22621.674]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Venkata Naveen>ibmcloud plugin install container-service
Looking up 'container-service' from repository 'IBM Cloud'...
Plug-in 'container-service[kubernetes-service/ks] 1.0.459' found in repository 'IBM Cloud'
Attempting to download the binary file...
 26.86 MiB / 26.86 MiB [==================================================] 100.00% 0s
28168192 bytes downloaded
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\Venkata Naveen\.bluemix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show its details.

C:\Users\Venkata Naveen>ibmcloud plugin install container-service
Looking up 'container-service' from repository 'IBM Cloud'...
Plug-in 'container-service[kubernetes-service/ks] 1.0.459' found in repository 'IBM Cloud'
Plug-in 'container-service[kubernetes-service/ks] 1.0.459' was already installed. Do you want to re-install it or not? [y/N] > y
Attempting to download the binary file...
 26.86 MiB / 26.86 MiB [==================================================] 100.00% 0s
28168192 bytes downloaded
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\Venkata Naveen\.bluemix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show its details.

C:\Users\Venkata Naveen>ibmcloud plugin install observe-service
Looking up 'observe-service' from repository 'IBM Cloud'...
Plug-in 'observe-service 1.0.82' found in repository 'IBM Cloud'
Attempting to download the binary file...
 13.38 MiB / 13.38 MiB [==================================================] 100.00% 0s
14024704 bytes downloaded
Installing binary...
OK
Plug-in 'observe-service 1.0.82' was successfully installed into C:\Users\Venkata Naveen\.bluemix\plugins\observe-service. Use 'ibmcloud plugin show observe-service' to show its details.

C:\Users\Venkata Naveen>
```

Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or skill/jobrecommender image and also expose the same app to run in nodeport.