

ASSIGNMENT-4

Name	Gokul
Assignment Date	09 November 2022
Team ID	PNT2022TMID029 1
Maximum Marks	2 Marks

Question 1:

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

```
Command Prompt

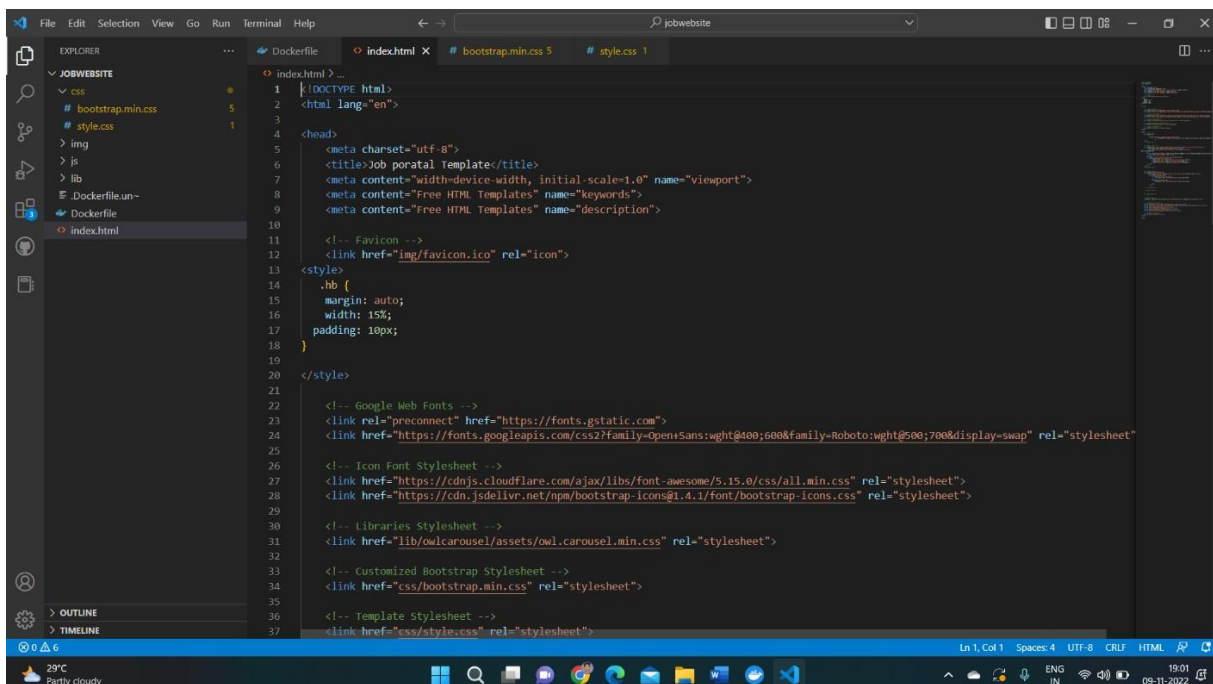
C:\Users\VIJAR RS>docker push vijayrs12213/hello-world
Using default tag: latest
The push refers to repository [docker.io/vijayrs12213/hello-world]
e07ee1baac5f: Mounted from library/hello-world
latest: digest: sha256:f54a58bc1aac5eaa25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525

C:\Users\VIJAR RS>docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest

C:\Users\VIJAR RS>
```

Question 2:

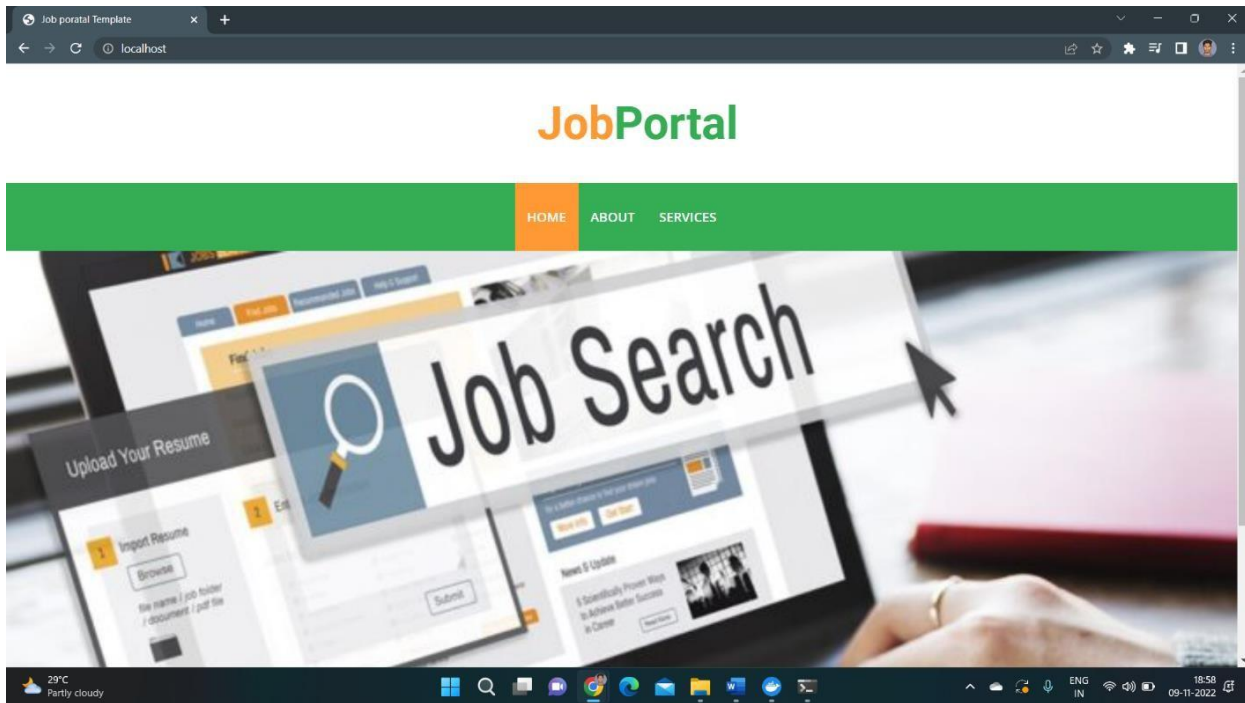
Create a docker file for the job portal application and deploy it in Docker desktop application.



The screenshot shows a VS Code editor with a project named 'jobwebsite'. The Explorer sidebar on the left shows the file structure: 'JOBWEBSITE' folder containing 'css' (with 'bootstrap.min.css' and 'style.css'), 'img', 'js', 'lib', and 'Dockerfile.un~'. The Dockerfile is open in the editor, showing the following content:

```
Dockerfile
1 FROM nginx:alpine
2 COPY . /usr/share/nginx/html
3 EXPOSE 80
4 CMD ["nginx", "-g", "daemon off;"]
```

The index.html file is also open, showing a basic HTML structure with a title 'Job portal Template', meta tags for viewport and keywords, a favicon, and several CSS links (Google Web Fonts, Bootstrap, Owl Carousel, and a custom style sheet).



Question 3:

Create a IBM container registry and deploy helloworld app or jobportalapp.

```

Command Prompt

C:\Users\VIJAR RS>docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest

C:\Users\VIJAR RS>docker tag hello-world icr.io/jobwebsite/jobportal:latest

C:\Users\VIJAR RS>docker push icr.io/jobwebsite/jobportal:latest
The push refers to repository [icr.io/jobwebsite/jobportal]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525

C:\Users\VIJAR RS>ibmcloud cr image-list
Listing images...

Repository          Tag      Digest          Namespace      Created      Size      Security status
icr.io/jobwebsite/jobportal  latest  f54a58bc1aac    jobwebsite    1 year ago  2.5 kB    -
OK

```

Question 4:

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

