Assignment4

AssignmentDate	21September2022
StudentName	Josemi M
StudentRollNumber	961819104051
MaximumMarks	2Marks

Question1:

Pullanimagefromdockerhubandrunitin dockerplayground.

Question2

Createadockerfileforthejobportalapplication anddeployitinDockerdesktopapplication

```
1    FROM python:3.8-buster
2
3    WORKDIR /app
4
5    COPY requirements.txt /app/
6
7    RUN pip install -r requirements.txt
8
9    COPY . /app/
10
11   RUN cp .env.dev.sample .env
12
13   EXPOSE 8000
14
15   RUN chmod +x entrypoint.sh
16
17   CMD ["sh", "entrypoint.sh"]
```
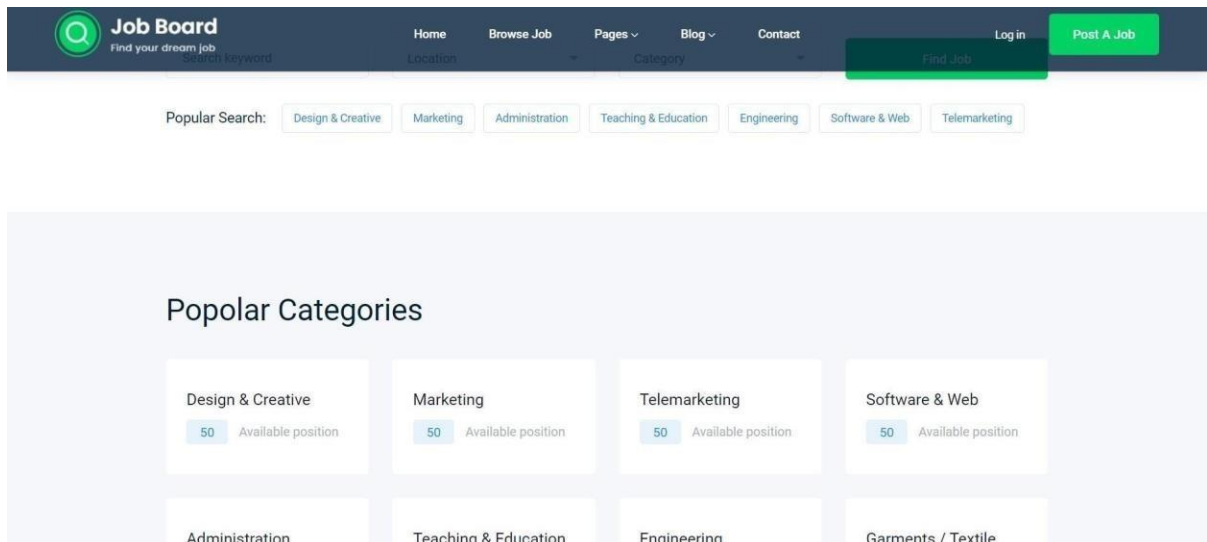
DEPLOYMENTOFJOBPORTALAPPLICATION:

	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
☐	agitated_neumann 918d20882039	icr.io/helloapp/ibm:latest	Exited (137)	49160:8080 ⧉		▶ ⋮ 🗑
☐	jolly_turing b62c0712bdd3	jobportalapplication:latest	Running	1234:8000 ⧉	4 minutes ago	■ ⋮ 🗑

Showing 2 items

RAM 3.06GB   CPU 0.57%   Connected to Hub   v4.13.0

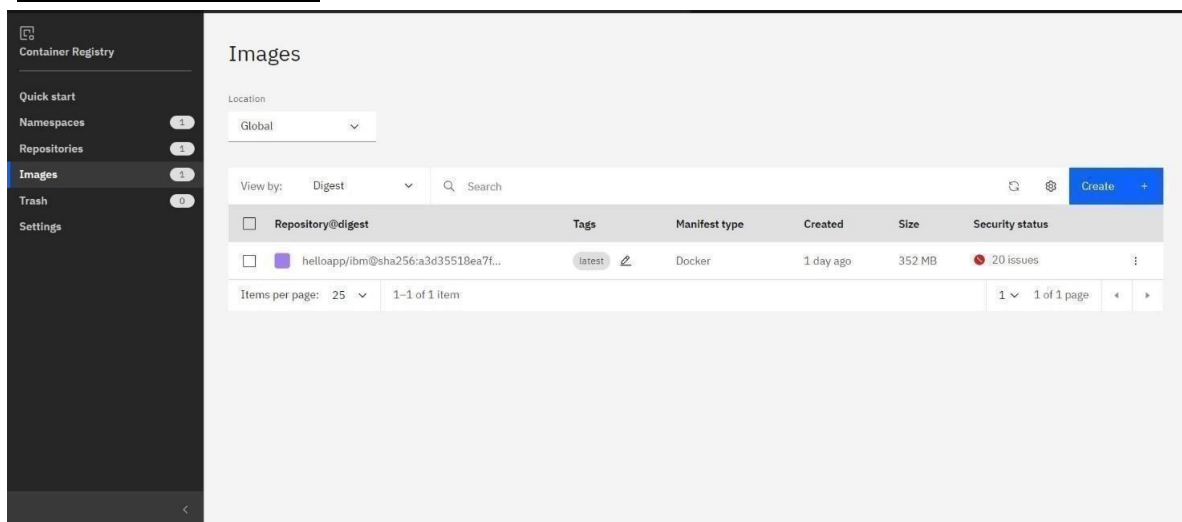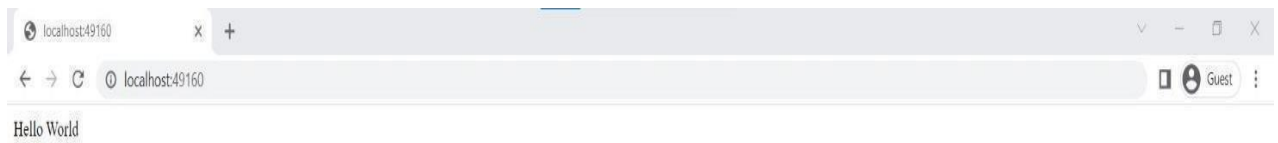OUTPUT:

Question3

CreateaIBMcontainerregistryanddeployhello-worldappor
jobportapp.IBMCONTAINERREGISTRY
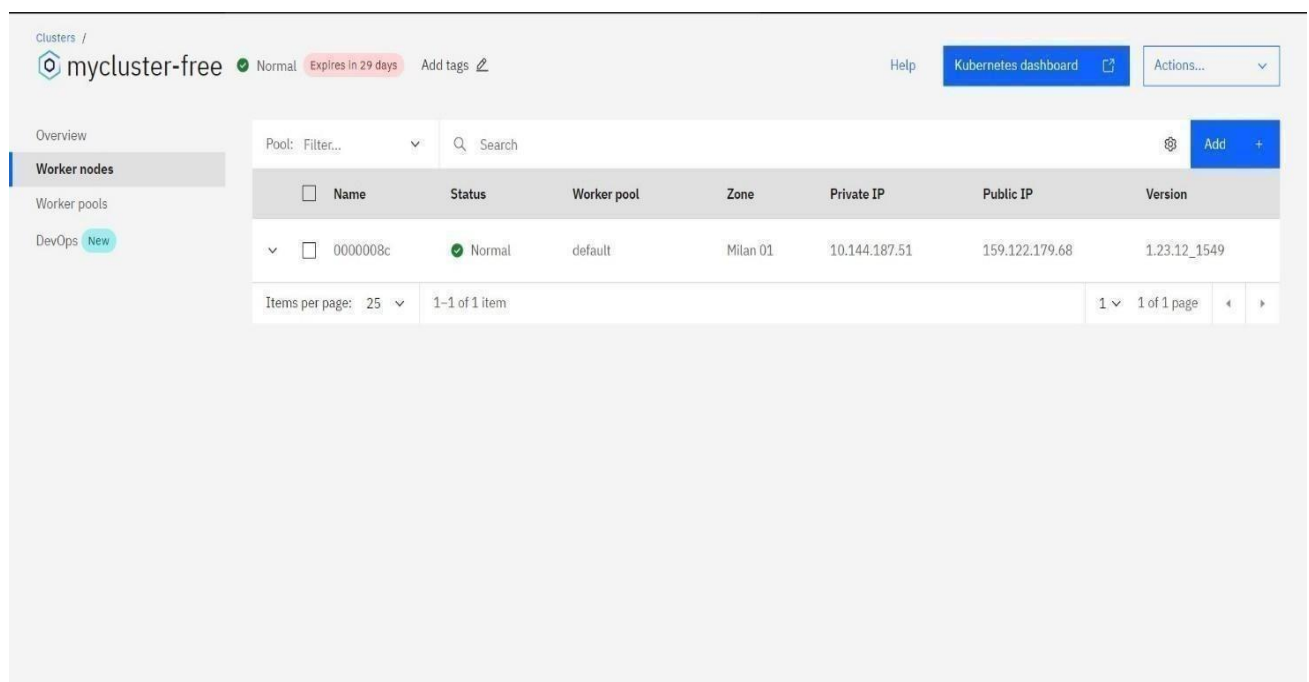
DEPLOYMENT:

OUTPUT:

Hello World

Question4

CreateaKubernetesclusterinIBMcloudanddeployhelloworld imageorjobportalimageandalsoexposethesameapptorunin nodeport.

CreatingKubernetesclusterinIBMcloudandexposingnodeport: