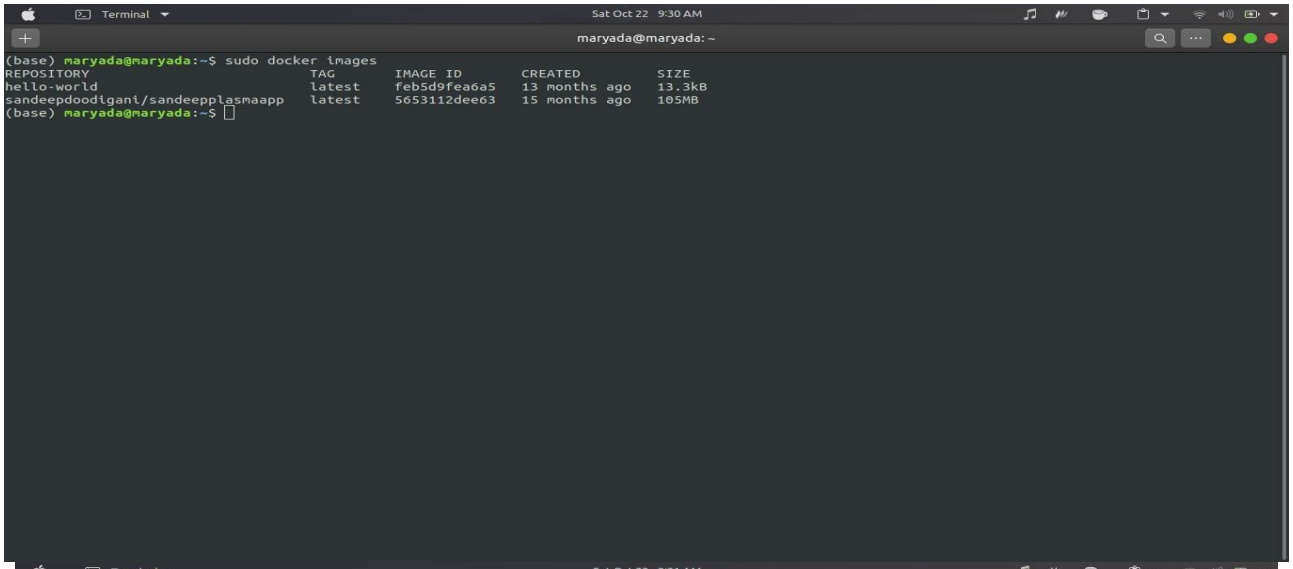
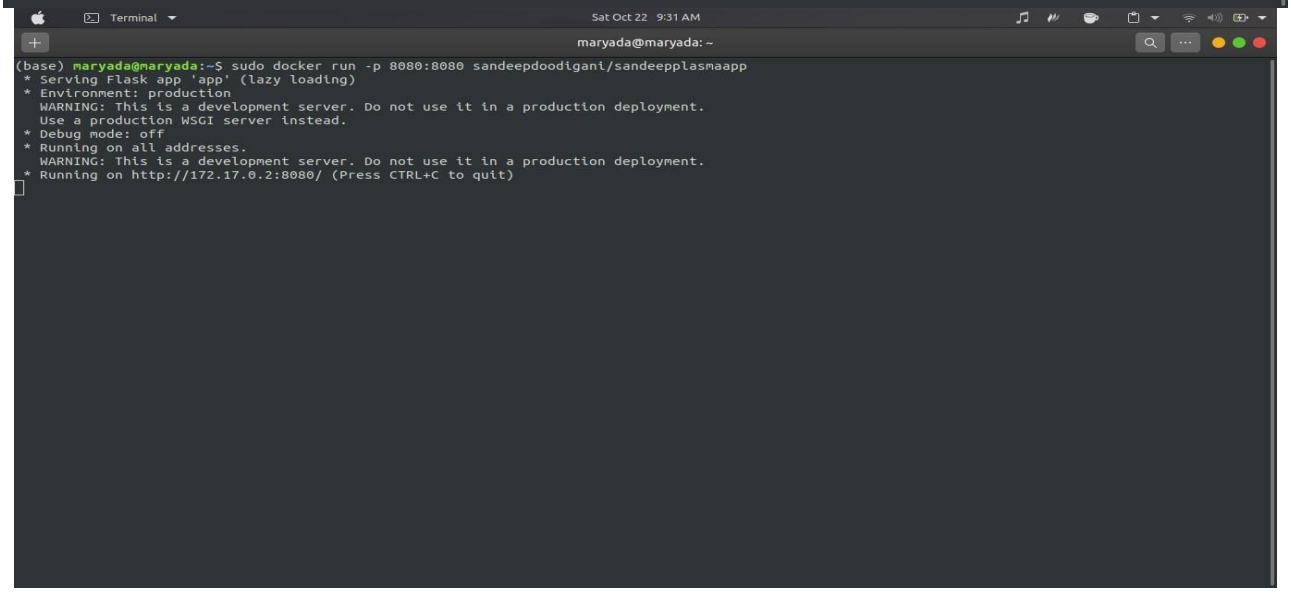
Assignment-4

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

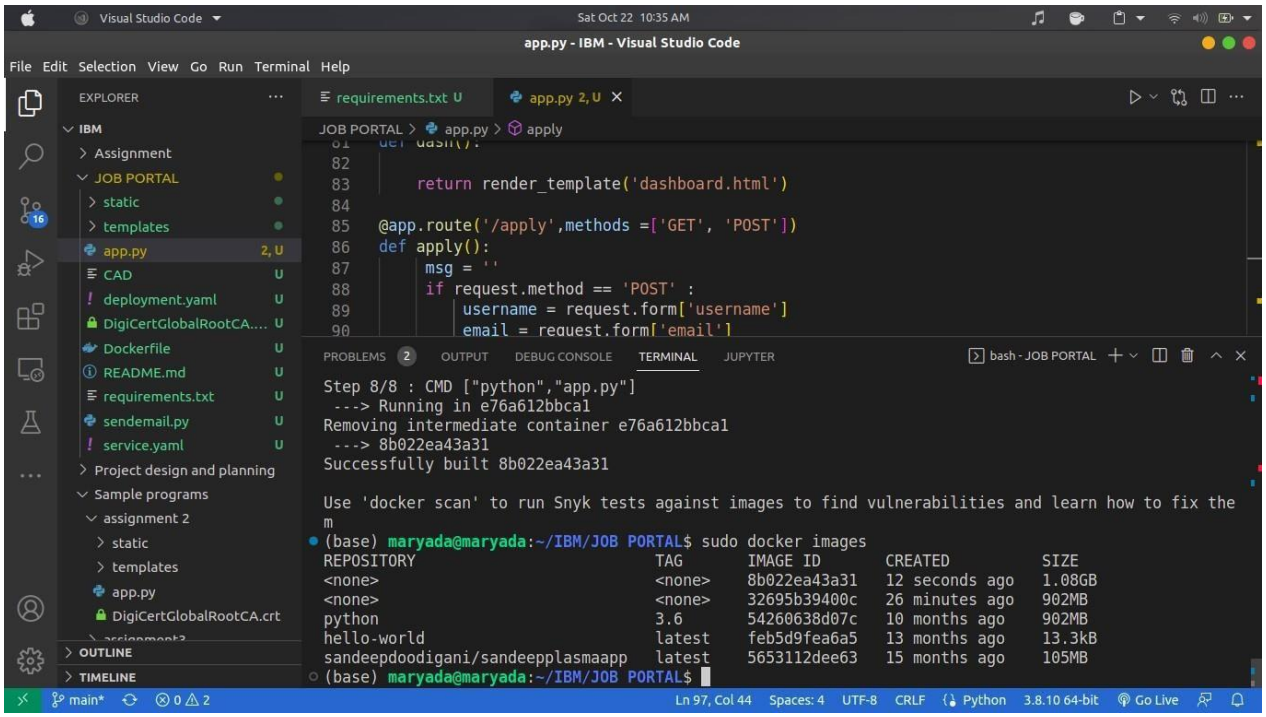




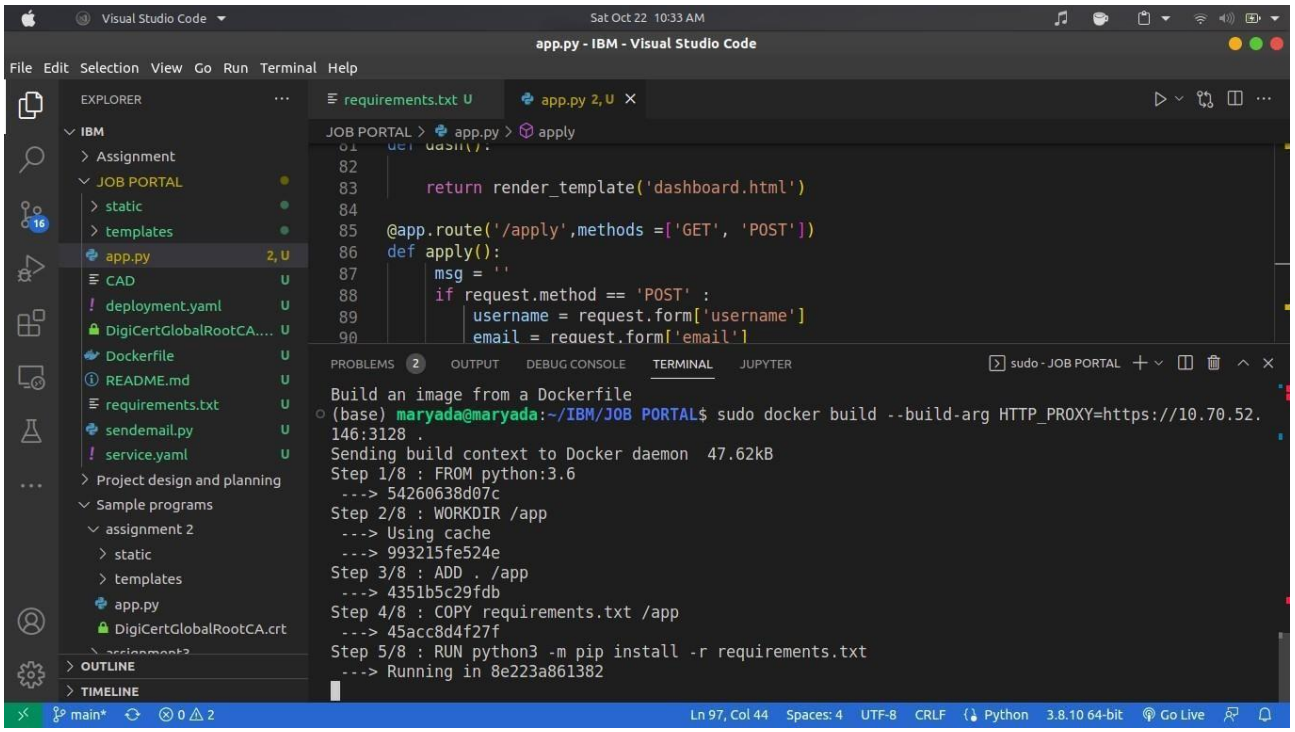
2.Create a docker file for the jobportal application and deploy it in Docker desktop application.

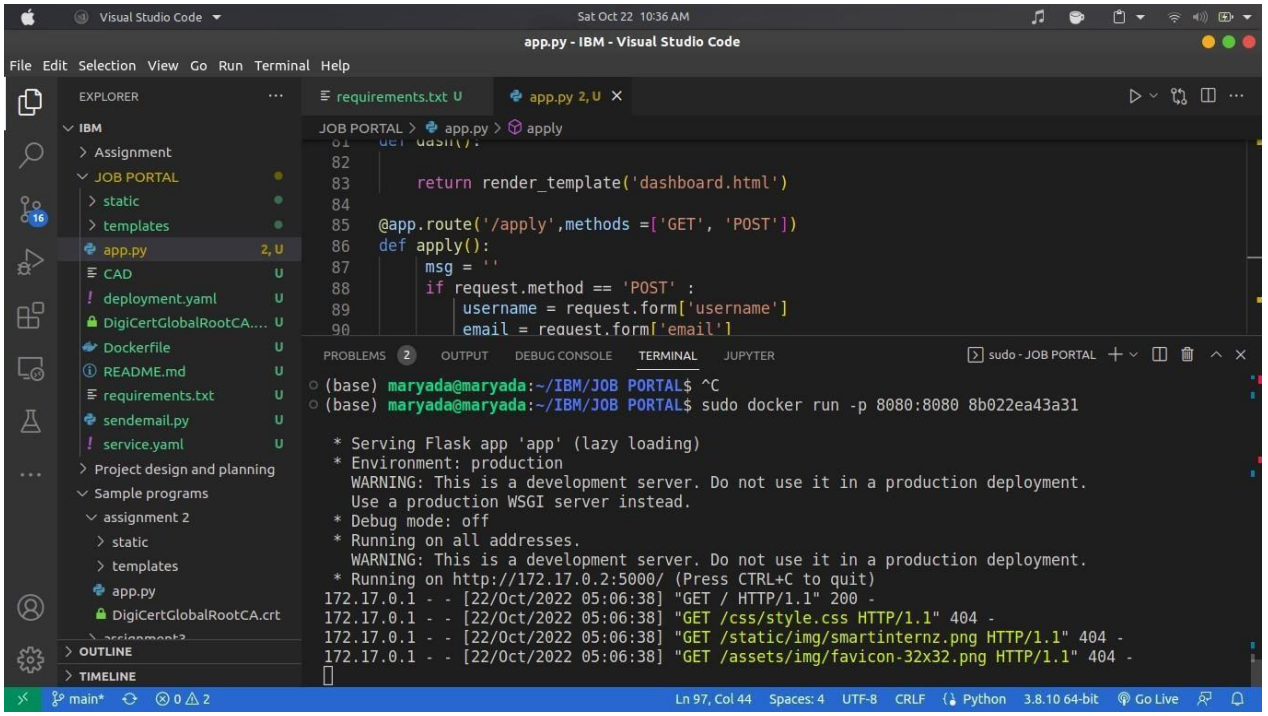
Dockerfile:

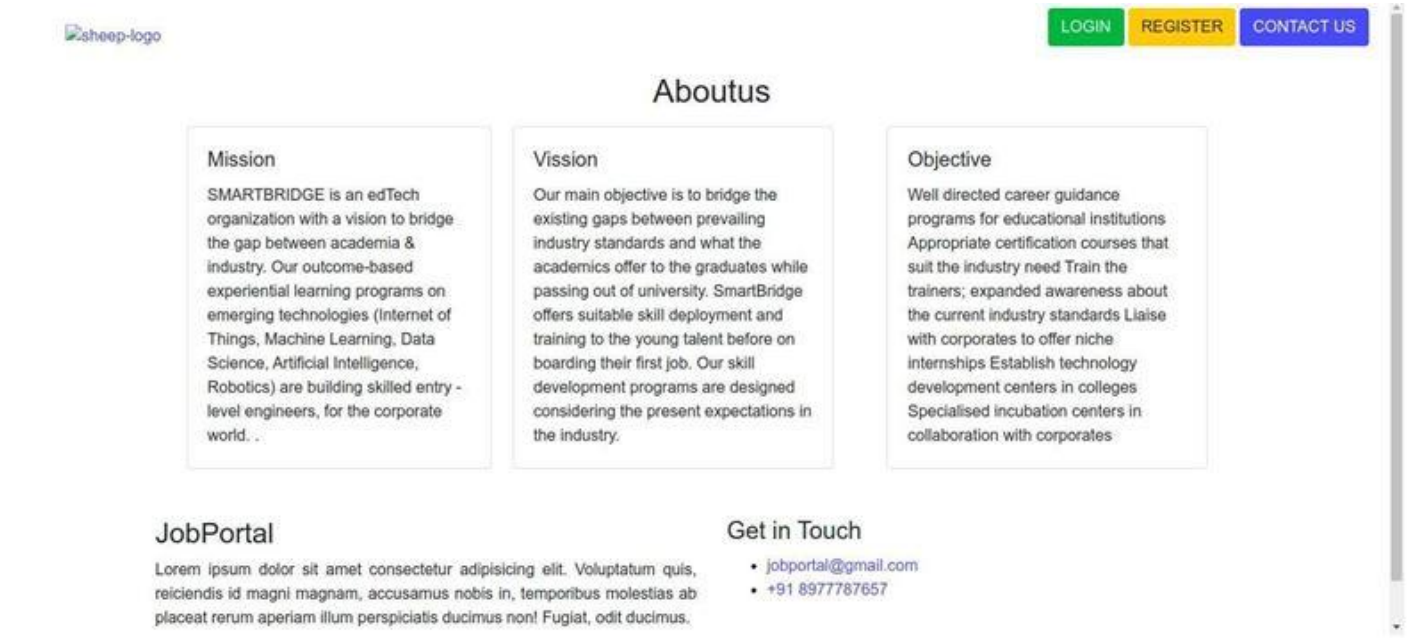
```
FROM python:3.6
WORKDIR /app
ADD . /app
COPY requirements.txt /app
RUN python3 -m pip install -r requirements.txt
RUN python3 -m pip install ibm_db
EXPOSE 5000
```



CMD ["python","app.py"]



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Mission
SMARTBRIDGE is an edTech organization with a vision to bridge the gap between academia & industry. Our outcome-based experiential learning programs on emerging technologies (Internet of Things, Machine Learning, Data Science, Artificial Intelligence, Robotics) are building skilled entry - level engineers, for the corporate world. .
Vission
Our main objective is to bridge the existing gaps between prevailing industry standards and what the academics offer to the graduates while passing out of university. SmartBridge offers suitable skill deployment and training to the young talent before on boarding their first job. Our skill development programs are designed considering the present expectations in the industry.
Objective
Well directed career guidance programs for educational institutions Appropriate certification courses that suit the industry need Train the trainers; expanded awareness about the current industry standards Liaise with corporates to offer niche internships Establish technology development centers in colleges Specialised incubation centers in collaboration with corporates
JobPortal
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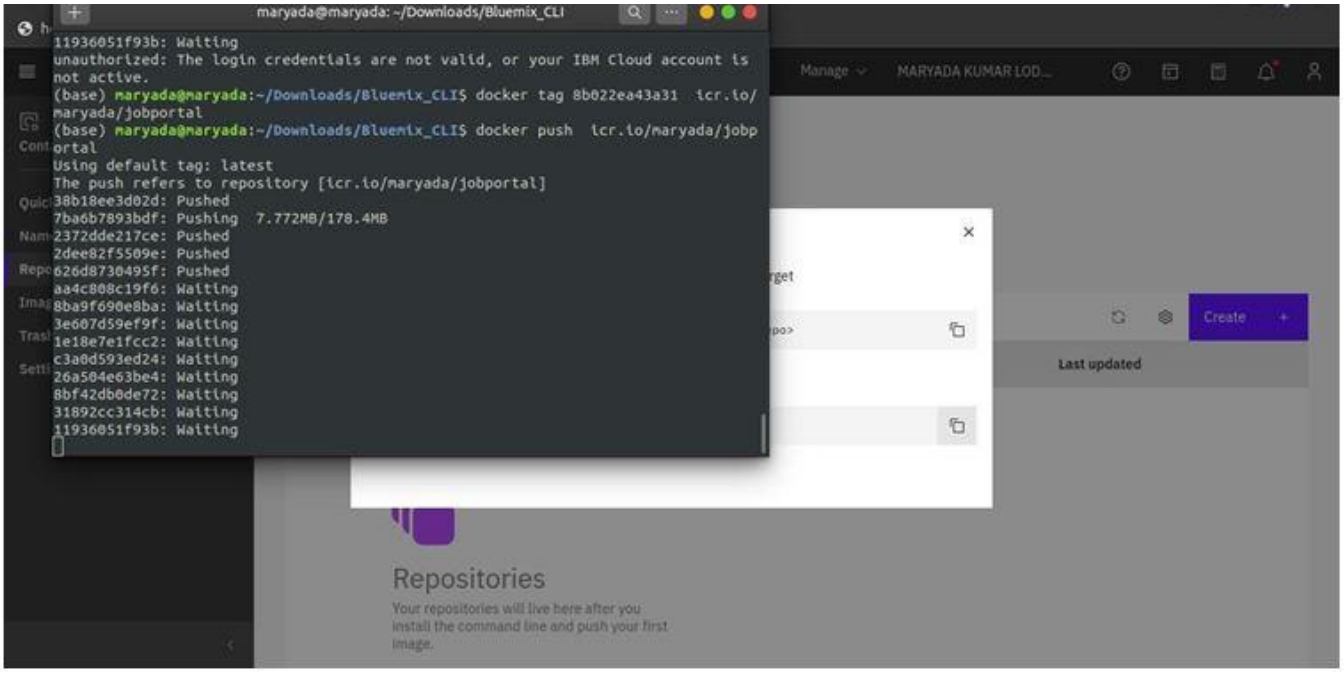
+91 8977787657


maryada@maryada: ~/Downloads/Bluemix_CLI
11936051f93b: Waiting
unauthorized: The login credentials are not valid, or your IBM Cloud account is not active.
(base) maryada@maryada:~/Downloads/Bluemix_CLI$ docker tag 8b022ea43a31 icr.io/maryada/jobportal
(base) maryada@maryada:~/Downloads/Bluemix_CLI$ docker push icr.io/maryada/jobportal
Using default tag: latest
The push refers to repository [icr.io/maryada/jobportal]
38b18ee3d02d: Pushed
7ba6b7893bdf: Pushing 7.772MB/178.4MB
2372dde217ce: Pushed
2dee82f5509e: Pushed
626d8730495f: Pushed
aa4c808c19f6: Waiting
8ba9f690e8ba: Waiting
3e607d59ef9f: Waiting
1e18e7e1fcc2: Waiting
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8bf42db0de72: Waiting
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Manage
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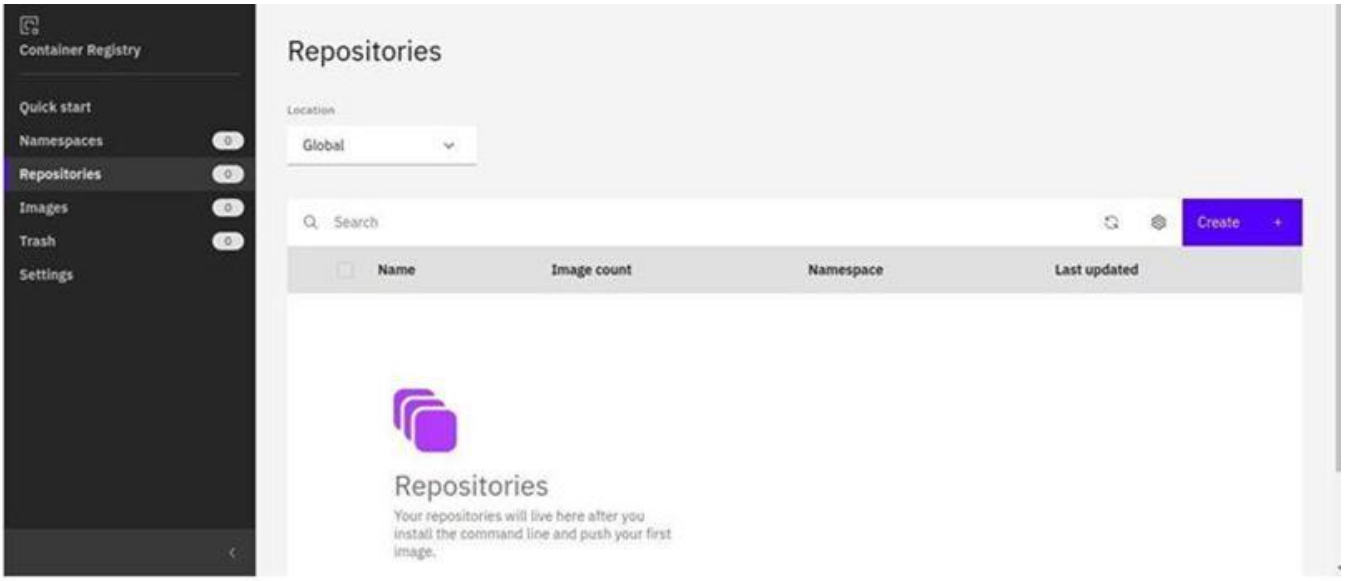
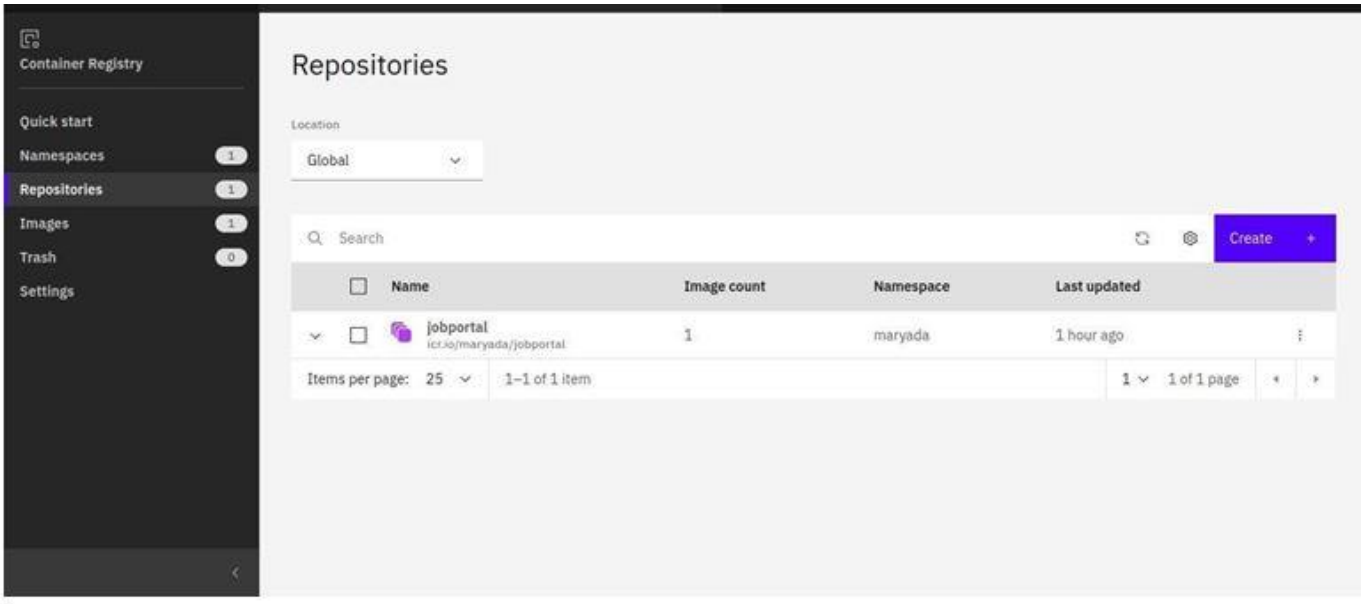
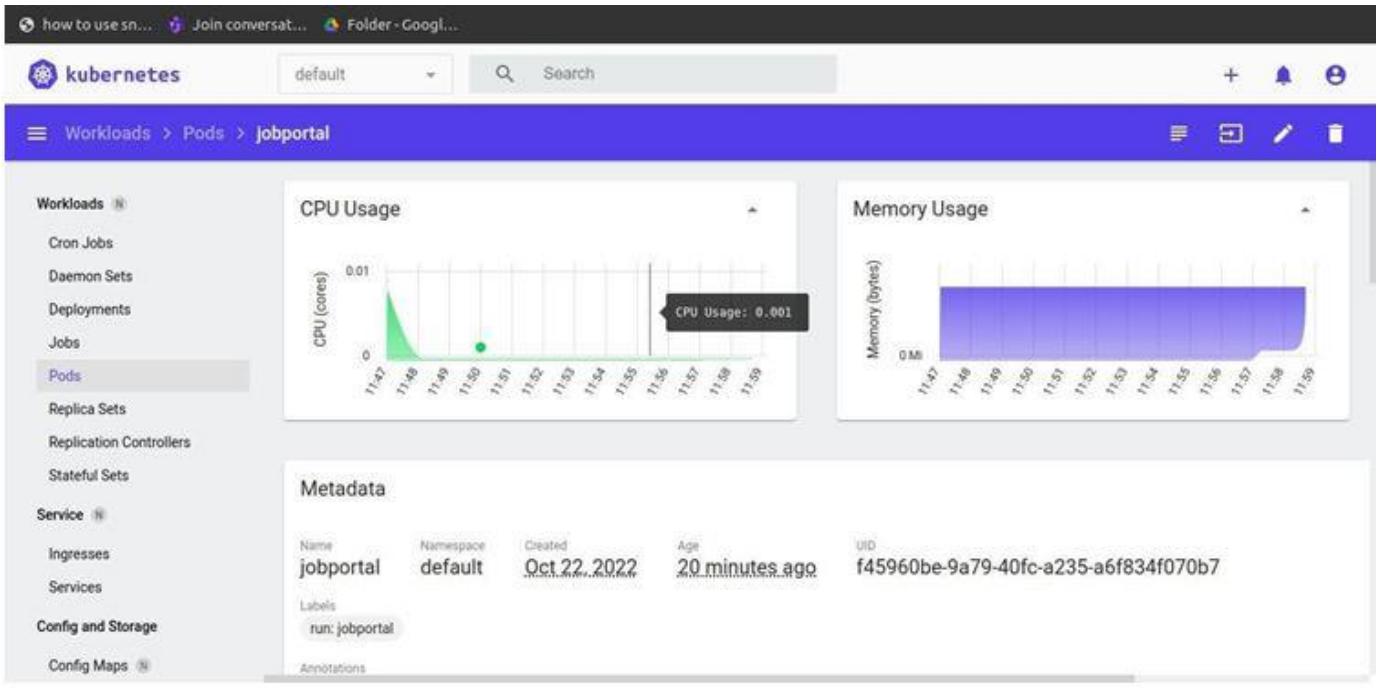
Create
Last updated
Repositories
Your repositories will live here after you install the command line and push your first image.

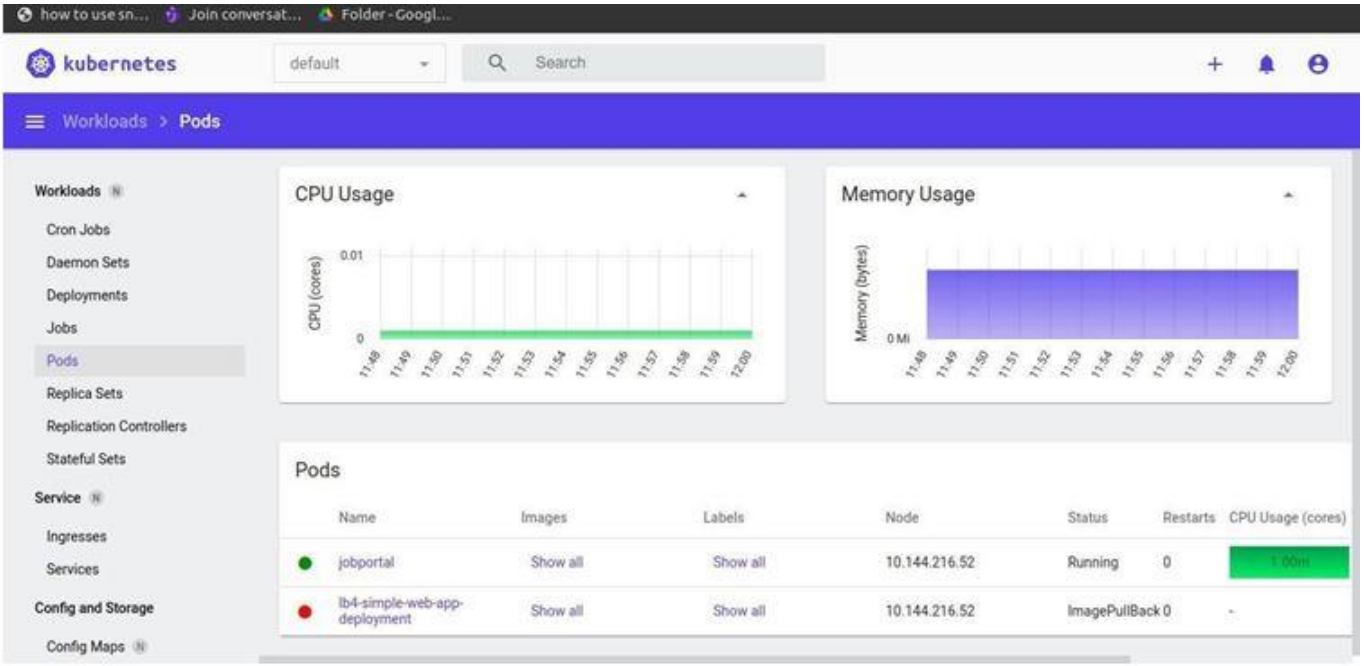
3.Create a IBM container registry and deploy helloworld app or jobportalapp.





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

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Join conversat...
Folder - Googl...
kubernetes
default
Search
Workloads > Pods
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Services
Config and Storage
Config Maps
CPU Usage
CPU (cores)
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0
Memory Usage
Memory (bytes)
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11:59
12:00
Pods
Name
Images
Labels
Node
Status
Restarts
CPU Usage (cores)
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Running
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lb4-simple-web-app-deployment
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Show all
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ImagePullBack
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