**Assignment - 4**

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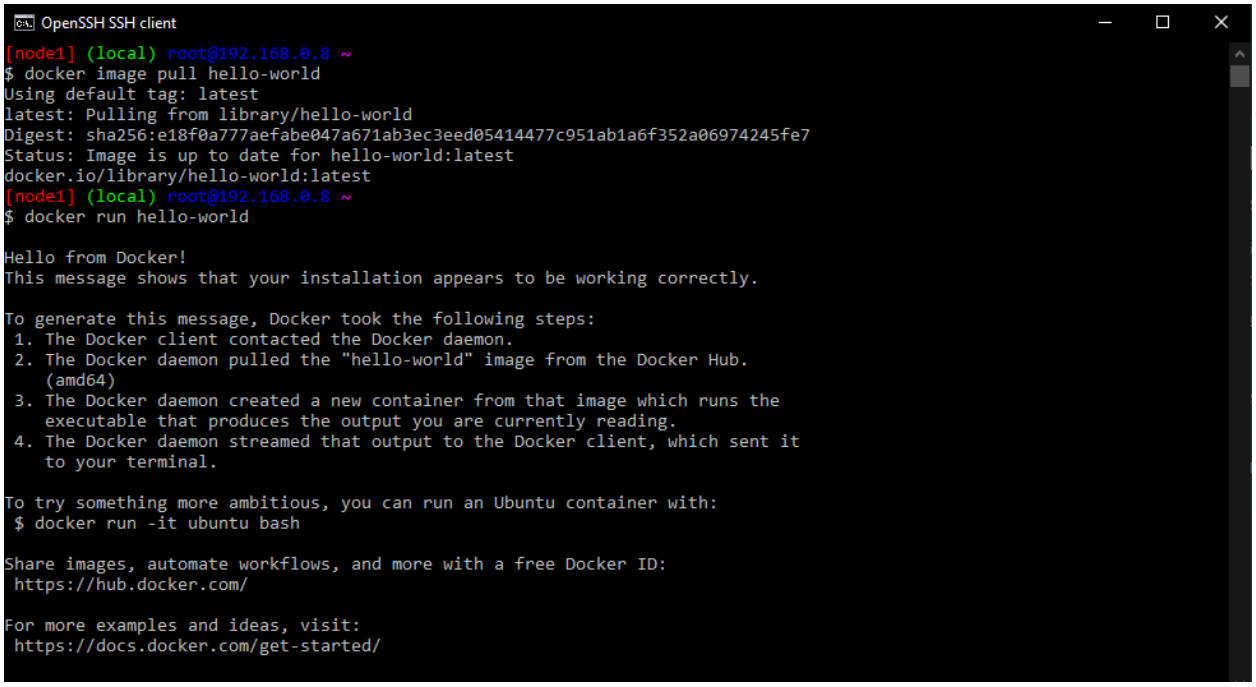
|---|---|
| Date | 27 October 2022 |
| Student Name | Sivaraman MM |
| Student Roll Number | 917719C099 |
| Maximum Marks | 2 Marks |

**Tasks:**

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




Pull image from Docker Hub and run it

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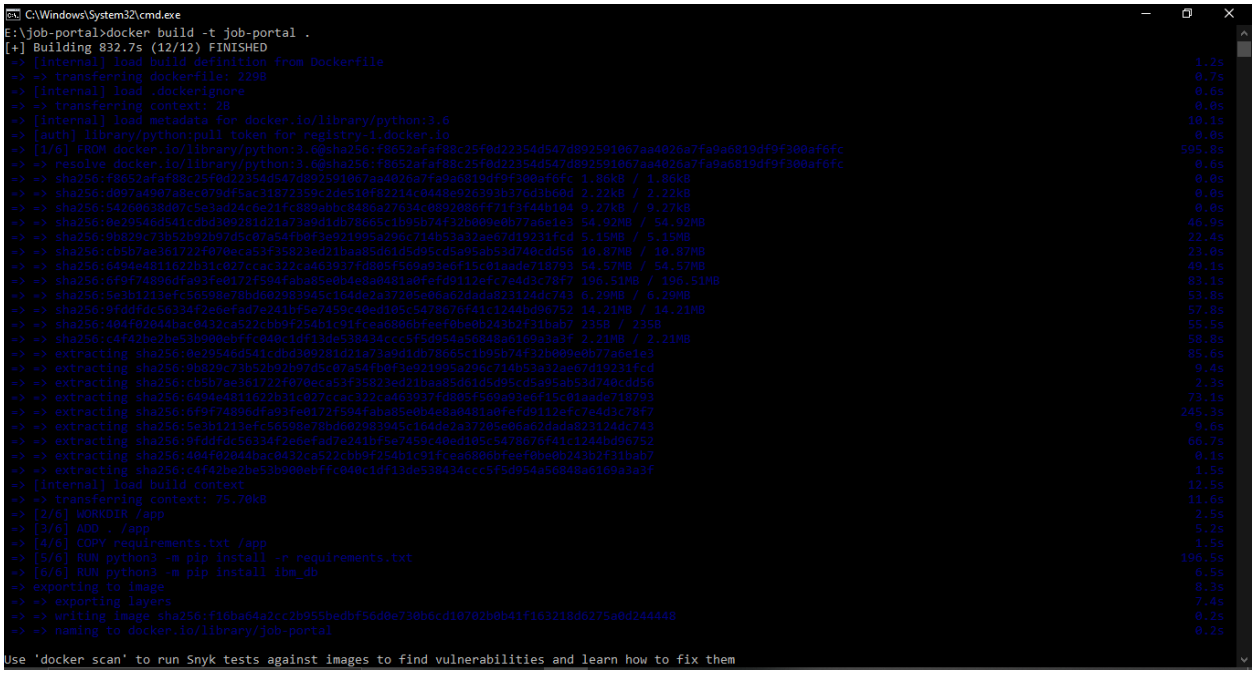
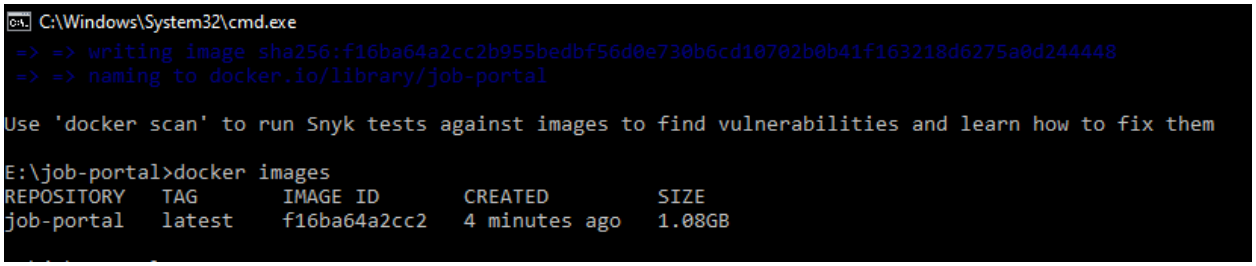
**2. Create a docker file for the jobportal application and deploy it in Docker desktop application.**

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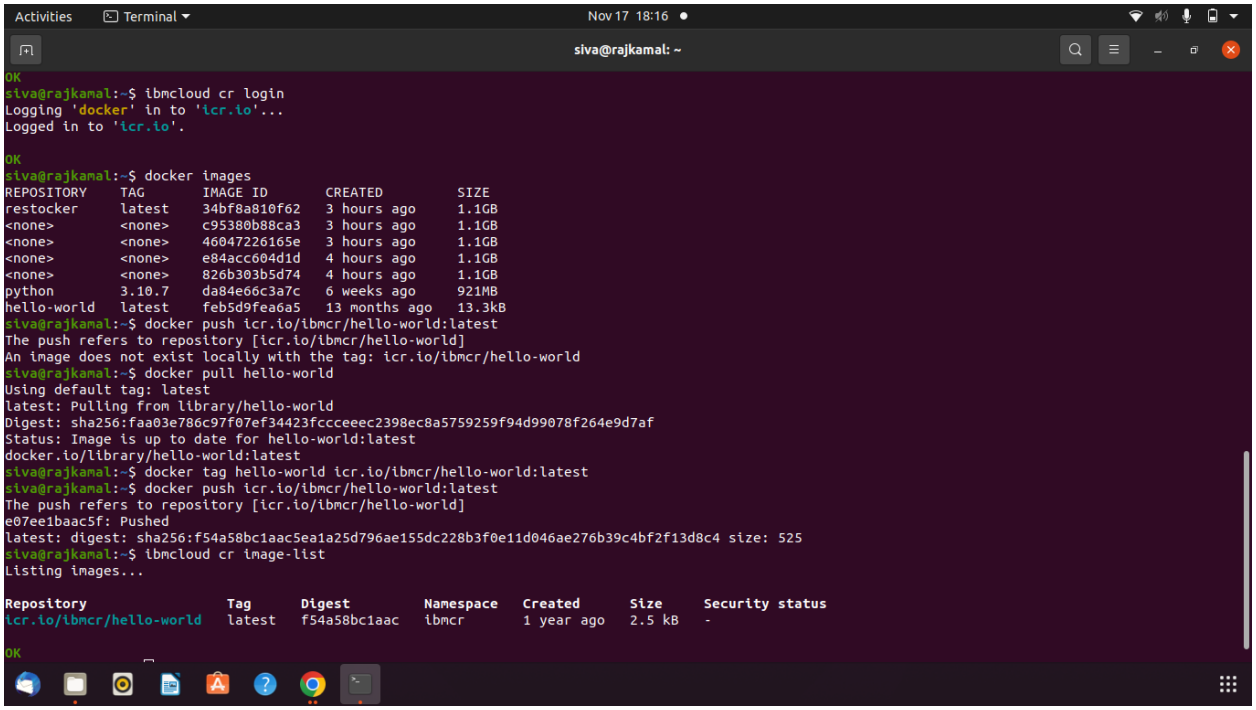
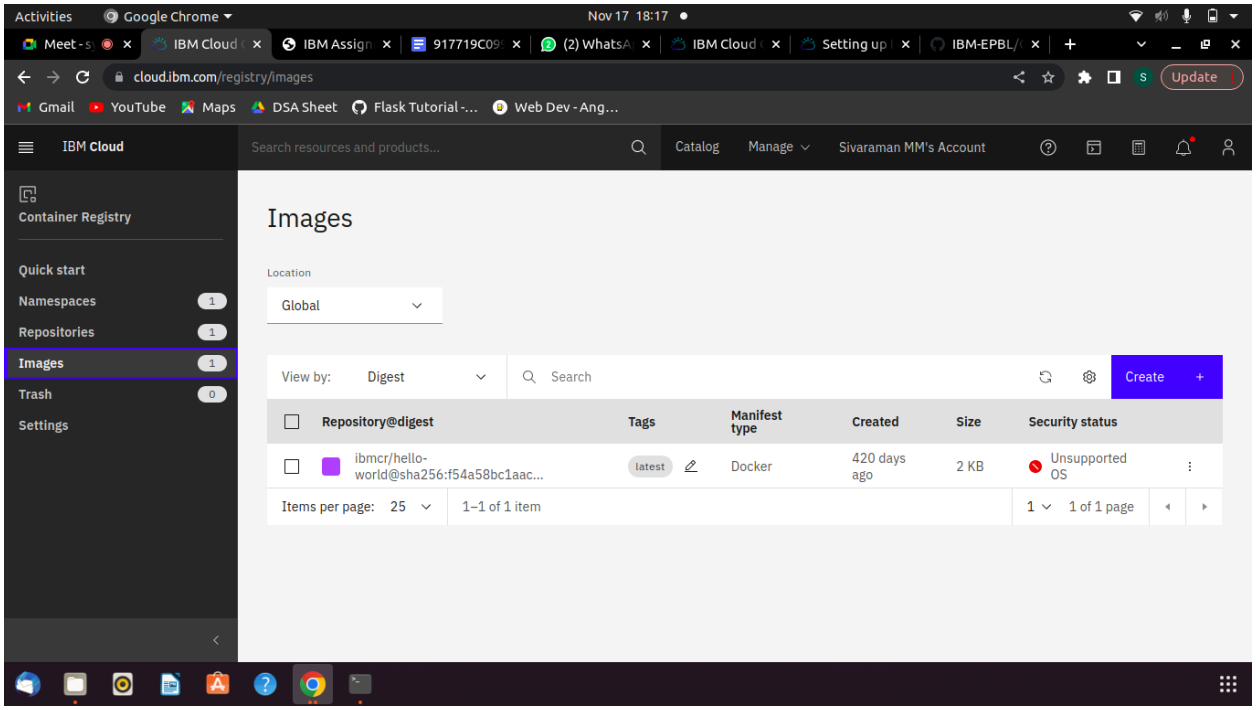
### 3. Create a IBM container registry and deploy helloworld app or jobportalapp.



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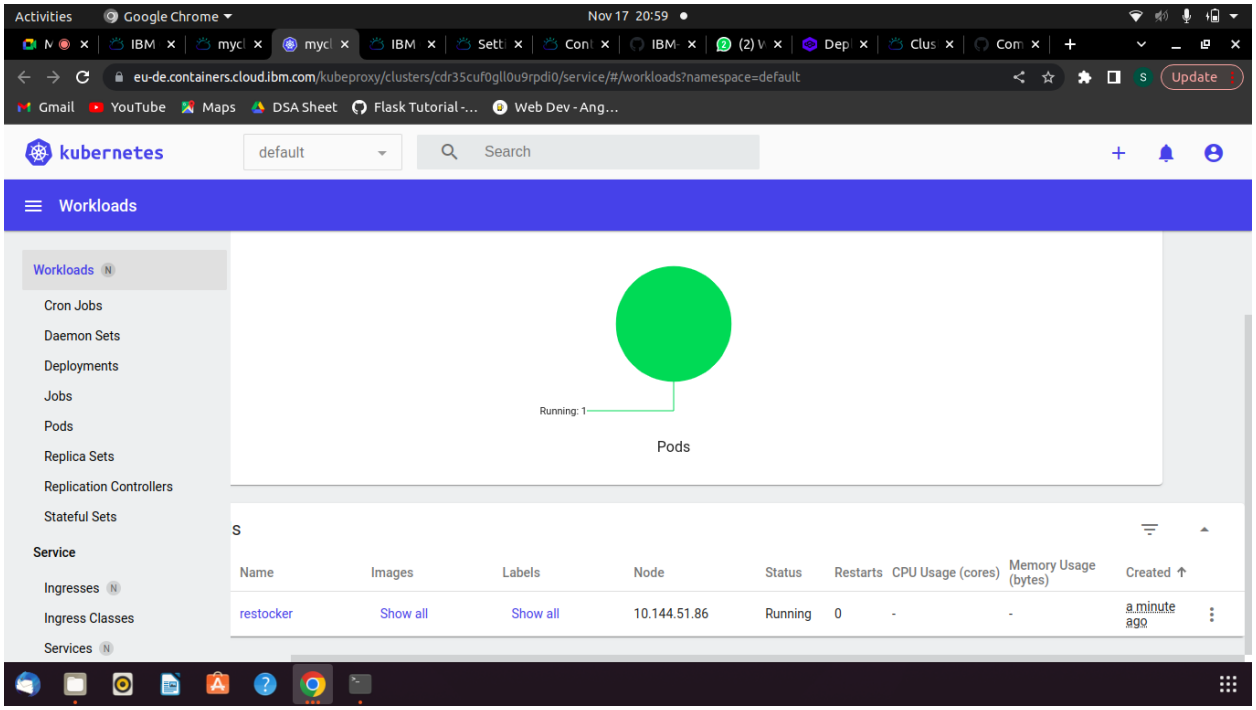
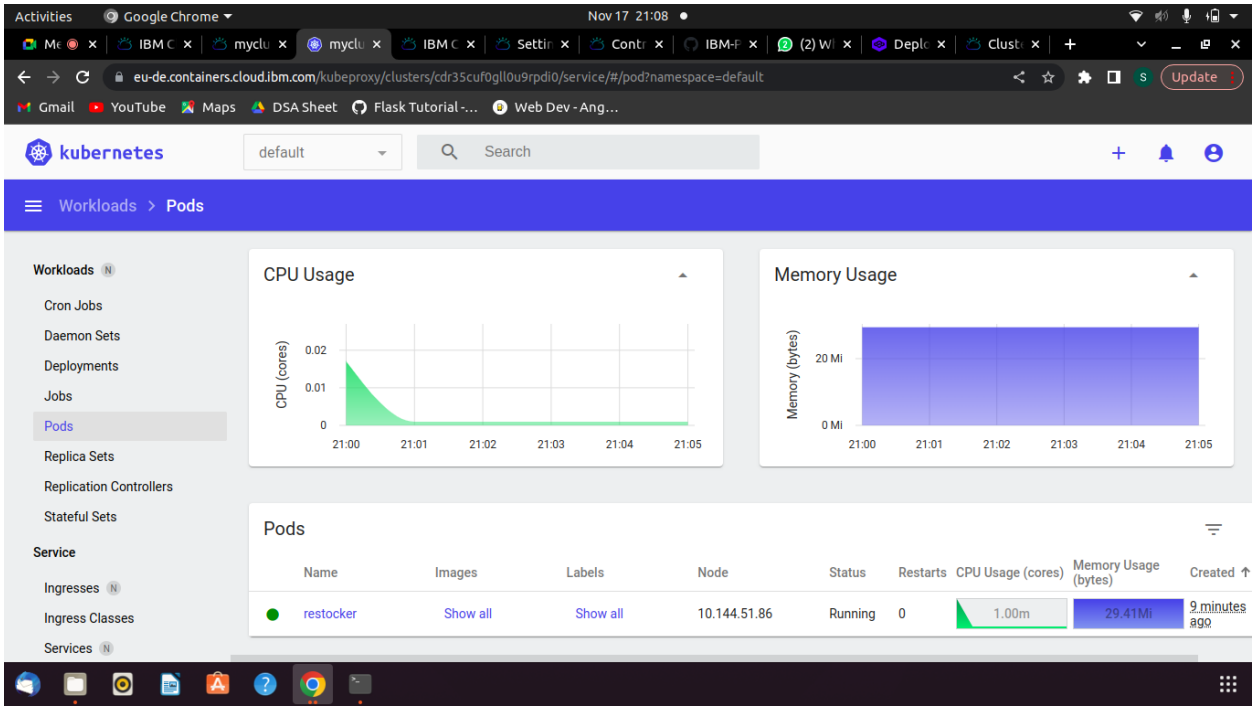
4. Create Kubernetes Cluster in IBM cloud and deploy hello world image or job portal image and expose the app to run in nodeport.


Activities
Google Chrome
Nov 17 20:59
eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdr35cuf0gll0u9rpdi0/service/#/workloads?namespace=default
Update
Gmail
YouTube
Maps
DSA Sheet
Flask Tutorial -...
Web Dev - Ang...
kubernetes
default
Search
Workloads
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Running: 1
Pods
Name
Images
Labels
Node
Status
Restarts
CPU Usage (cores)
Memory Usage (bytes)
Created
restocker
Show all
Show all
10.144.51.86
Running
0
-
-
a minute ago


Activities
Google Chrome
Nov 17 21:08
eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdr35cuf0gll0u9rpdi0/service/#/pod?namespace=default
Update
Gmail
YouTube
Maps
DSA Sheet
Flask Tutorial -...
Web Dev - Ang...
kubernetes
default
Search
Workloads > Pods
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
CPU Usage
CPU (cores)
0.02
0.01
0
21:00
21:01
21:02
21:03
21:04
21:05
Memory Usage
Memory (bytes)
20 Mi
0 Mi
21:00
21:01
21:02
21:03
21:04
21:05
Pods
Name
Images
Labels
Node
Status
Restarts
CPU Usage (cores)
Memory Usage (bytes)
Created
restocker
Show all
Show all
10.144.51.86
Running
0
1.00m
29.41Mi
9 minutes ago