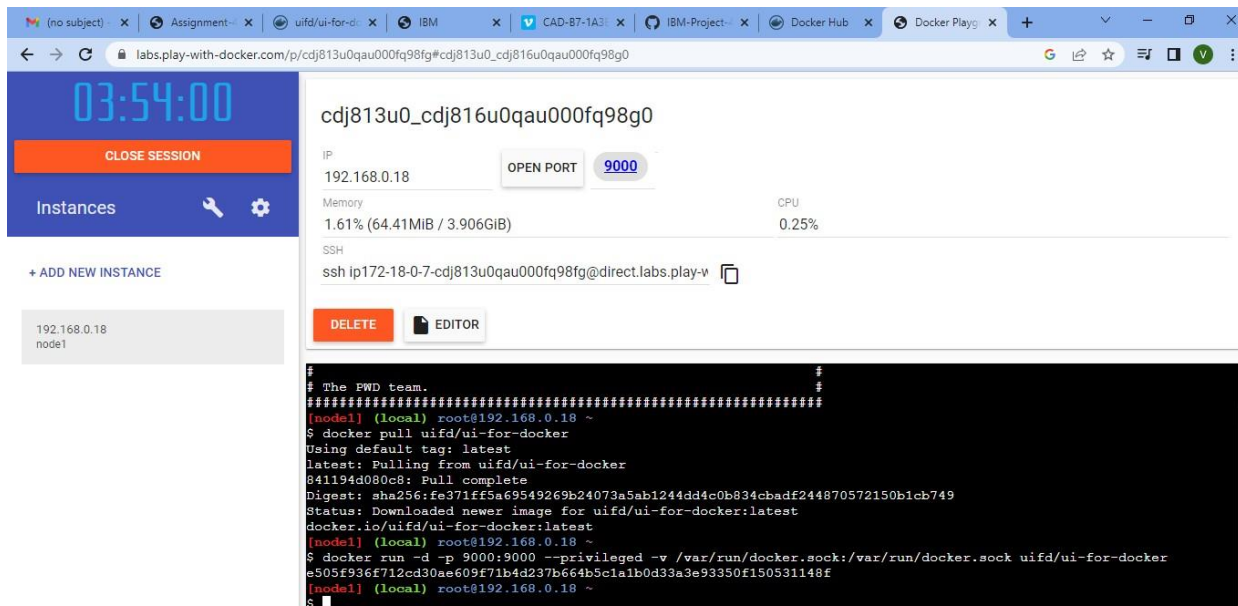
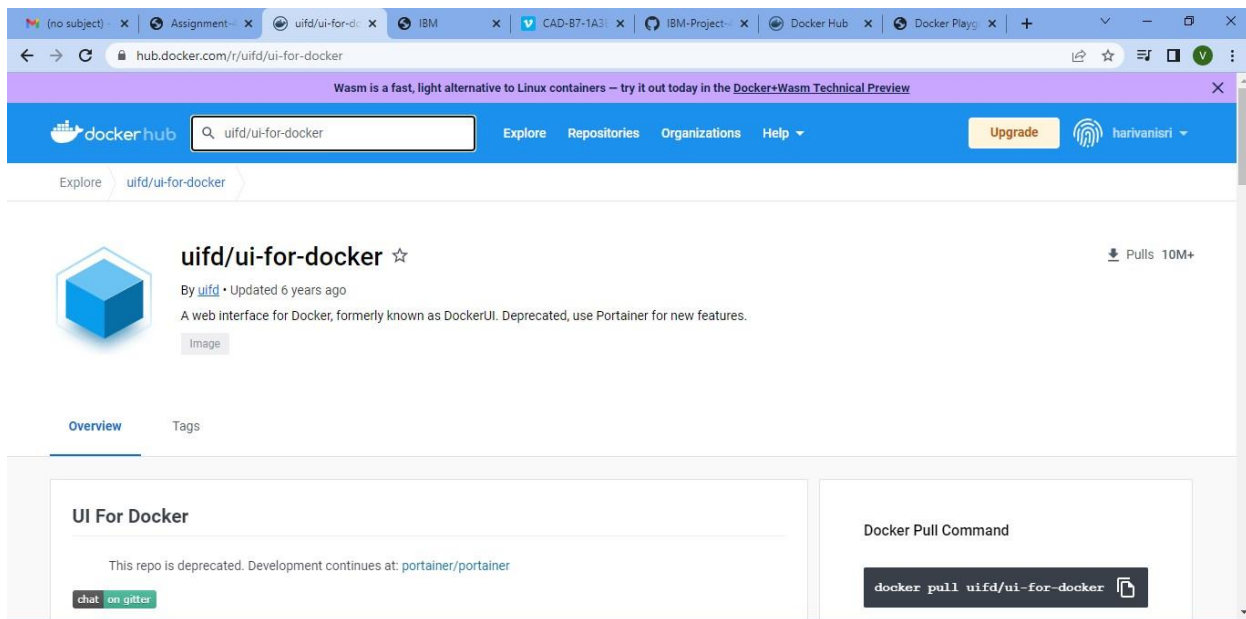


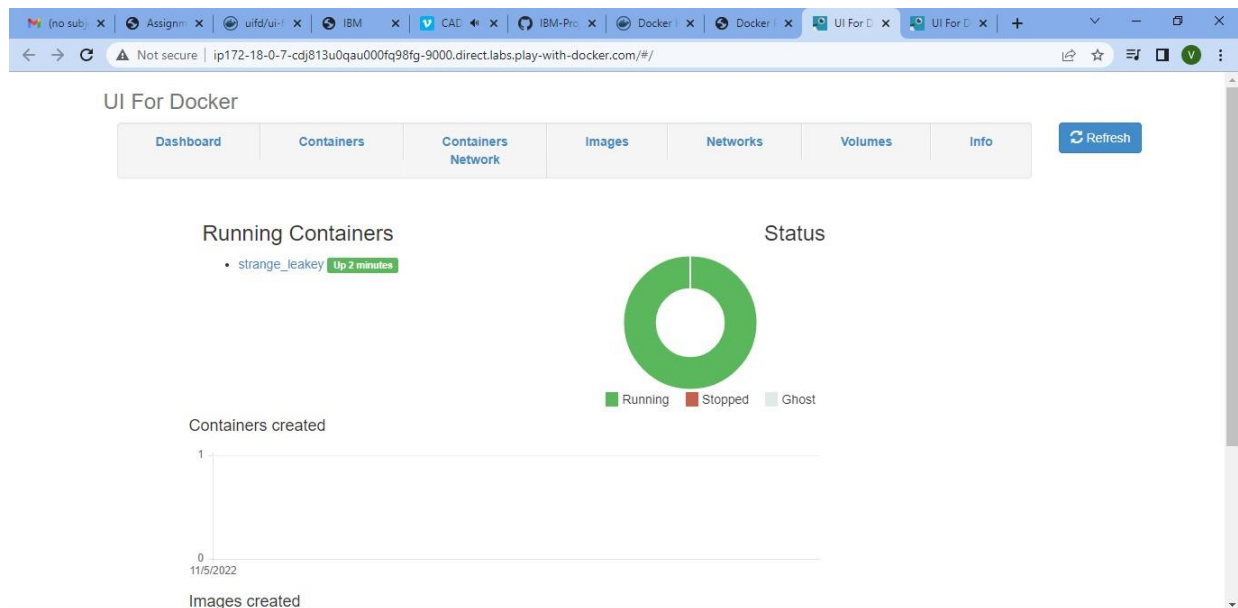
Assignment -4

Docker and Kubernetes

Assignment Date	5 November 2022
Student Name	HARIVANISRI G
Student Roll Number	951919CS030
Maximum Marks	2 Marks

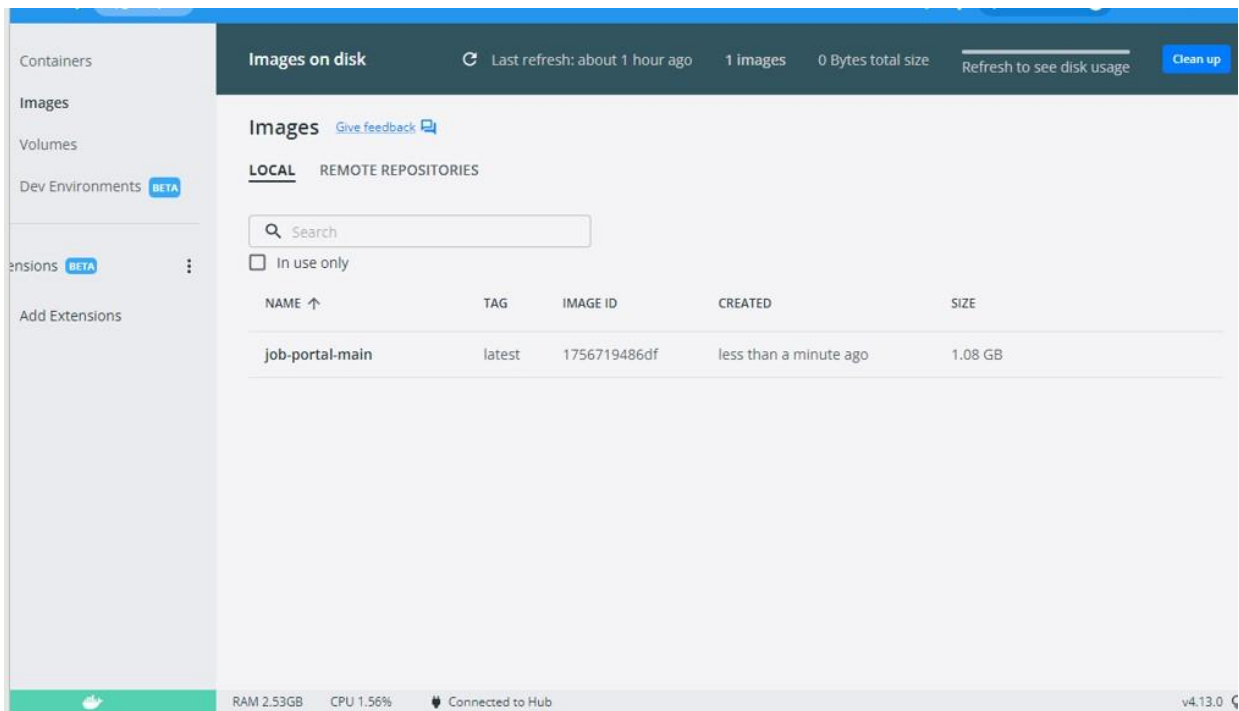
1. Pull an image from docker hub and run it in docker Playground





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

```
[internal] load build definition from Dockerfile
--> transferring Dockerfile: 12B
--> [internal] load .dockerignore
--> transferring context: 2B
--> [internal] load metadata for docker.io/library/python:3.6
--> [auth] library/python:pull token for registry-1.docker.io
--> [internal] load build context
--> transferring context: 687B
--> [1/6] FROM docker.io/library/python:3.6@sha256:f8052a6f8bc25f6d22354d547d892501067aad026a7fa0a010d0f30ba6f0c
--> resolve docker.io/library/python:3.6@sha256:f8052a6f8bc25f6d22354d547d892501067aad026a7fa0a010d0f30ba6f0c
--> sha256:f8052a6f8bc25f6d22354d547d892501067aad026a7fa0a010d0f30ba6f0c 1.86kB / 1.86kB
--> sha256:0b77a490744c0709f5ac1877330c24618f822140a0607c300776a0000 2.24kB / 2.24kB
--> sha256:542063d0072ca3d44621f0c9a8b4272344002000f77f7f44b104 5.27kB / 5.27kB
--> sha256:0e2954ad541c0d70020101a71a01db70605c1b05b7af12b0000b77ade1a3 54.92kB / 54.92kB
--> sha256:00012c7305209207d5c07a54f04f5a92109a20ec714b53a32a67d19231fcd 5.15kB / 5.15kB
--> sha256:c5b7a6361722f070ec53f35023ed11baa85d61d5d95c4a95ab53d740cdd56 10.87kB / 10.87kB
--> sha256:64044011632011c0271cc322ca403077f0895f50a01a0f15c01ade710793 54.57kB / 54.57kB
--> sha256:619f7400d7a91f0a727404f0a0500a0d0401a0f0d112efc70a03c7072 106.51kB / 106.51kB
--> sha256:5e01210f40090070d0020e04c1646ad3720a000d0d0a031240743 0.20kB / 0.20kB
--> extracting sha256:0e2954ad541c0d70020101a71a01db70605c1b05b7af12b0000b77ade1a3
--> sha256:0f0d0c56134f30eefad7e241bf5e740c40ed105c5470f6441c1240b90732 14.21kB / 14.21kB
--> extracting sha256:00012c7305209207d5c07a54f04f5a92109a20ec714b53a32a67d19231fcd
--> extracting sha256:cb507ae301722f070ec53f35023ed11baa85d61d5d95c4a95ab53d740cdd56
--> sha256:4004702044bac0431ca522cb09f254031c93f000000feef000b24302f310ab7 235B / 235B
--> sha256:c4f420c10e500000f0c00c10f130c730404cc5f50954c50040a0109a1a7 2.21kB / 2.21kB
--> extracting sha256:00044011632011c0271cc322ca403077f0895f50a01a0f15c01ade710793
--> sha256:619f7400d7a91f0a727404f0a0500a0d0401a0f0d112efc70a03c7072 106.51kB / 106.51kB
--> extracting sha256:5e01210f40090070d0020e04c1646ad3720a000d0d0a031240743
--> sha256:0f0d0c56134f30eefad7e241bf5e740c40ed105c5470f6441c1240b90732 14.21kB / 14.21kB
--> extracting sha256:00012c7305209207d5c07a54f04f5a92109a20ec714b53a32a67d19231fcd
--> extracting sha256:4004702044bac0431ca522cb09f254031c93f000000feef000b24302f310ab7
--> extracting sha256:c4f420c10e500000f0c00c10f130c730404cc5f50954c50040a0109a1a7
[2/6] WORKDIR /app
--> [3/6] ADD . /app
--> [4/6] COPY requirements.txt /app
--> [5/6] RUN python3 -m pip install -r requirements.txt
--> [6/6] RUN python3 -m pip install flask
--> exporting to image
--> exporting layers
--> writing image sha256:17507104000f0031ad1d0e5051221013f2f73d1b09a0d242b22a0a0370f19
--> naming to docker.io/library/job-portal-main
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
```



3. Create a IBM container registry and deploy helloworld app

