ASSIGNMENT 4

Date	20 October 2022
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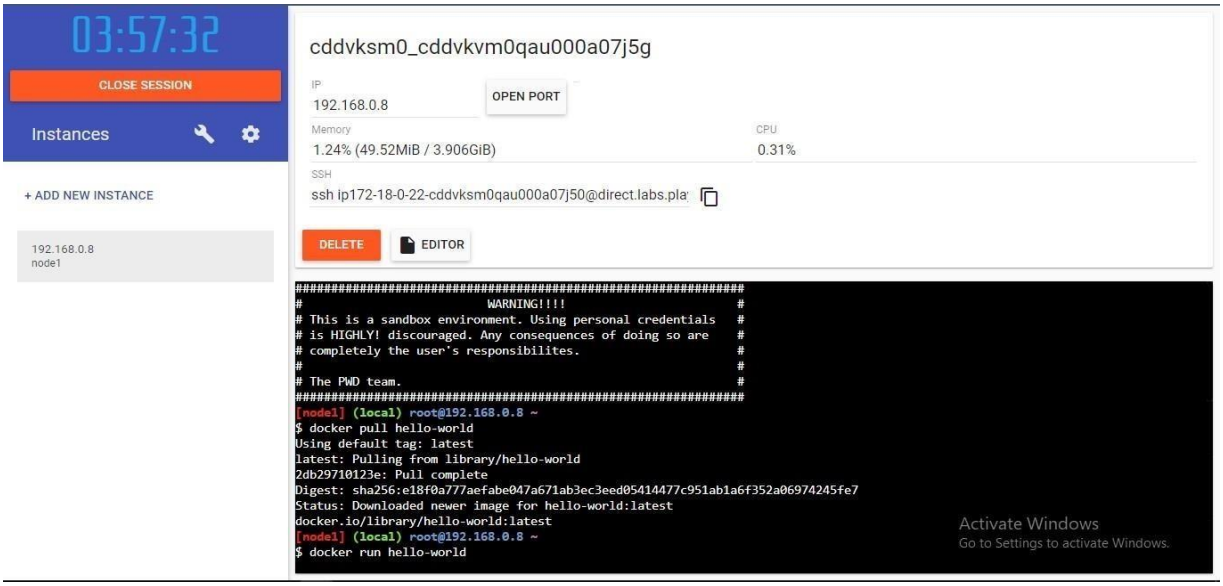
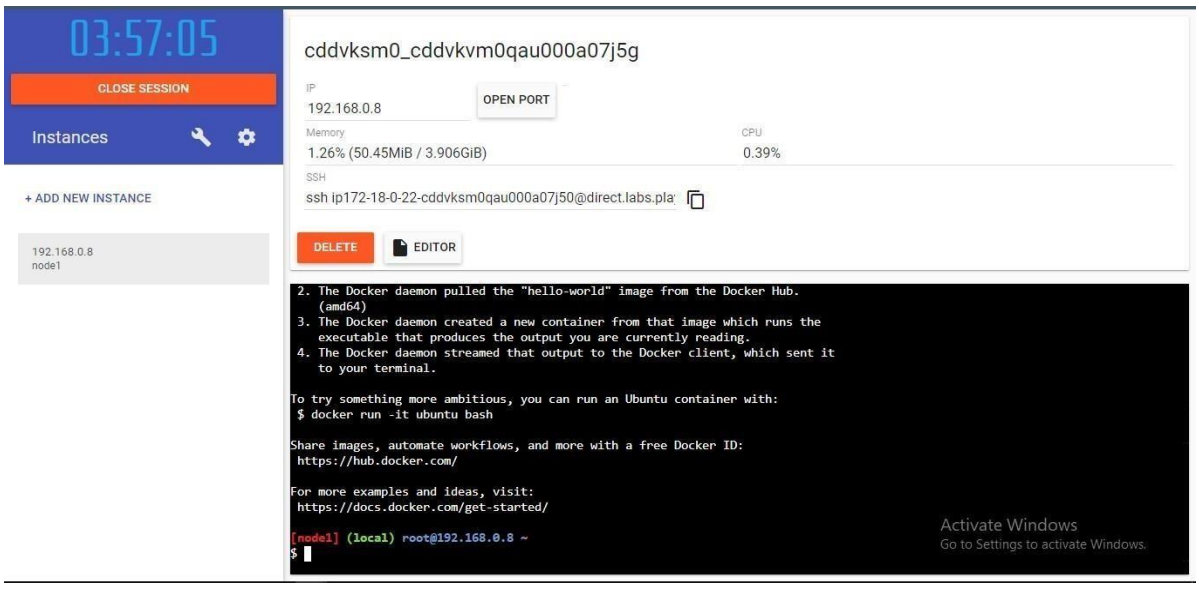
Project Name	Personal Expense Tracker Application

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





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

FROM helloworld:sk

WORKDIR~/Desktop/

ADD.helloworld/

WORKDIR~/Desktop/IB

Mproj RUN pip install -r

requirementsRUN

chmod +x app.sh

CMD [“/bin/sh”,”app.sh”]

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

```
PS C:\WINDOWS\system32> docker tag hello-world icr.io/67890ns/hello-world
PS C:\WINDOWS\system32> docker push icr.io/67890ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/67890ns/hello-world]
e07ee1baac5f: Mounted from 54321ns/hello-world
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
PS C:\WINDOWS\system32> ibmcloud cr image-list
Listing images...
```

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

Creating Kubernetes cluster in IBM cloud and exposing node port: