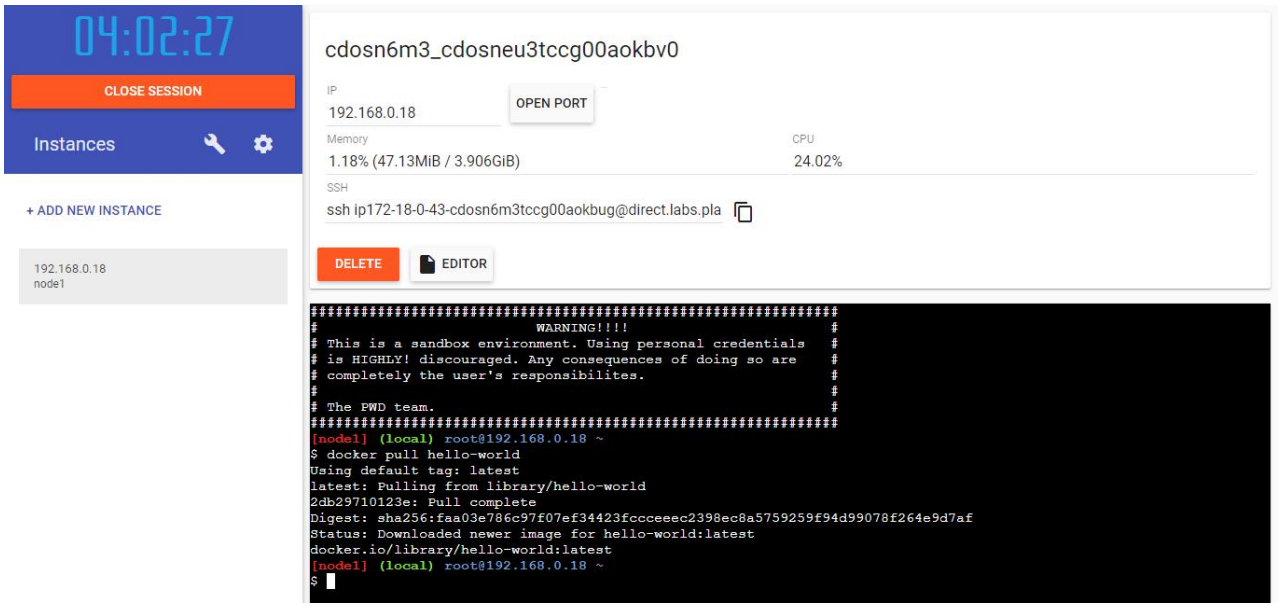
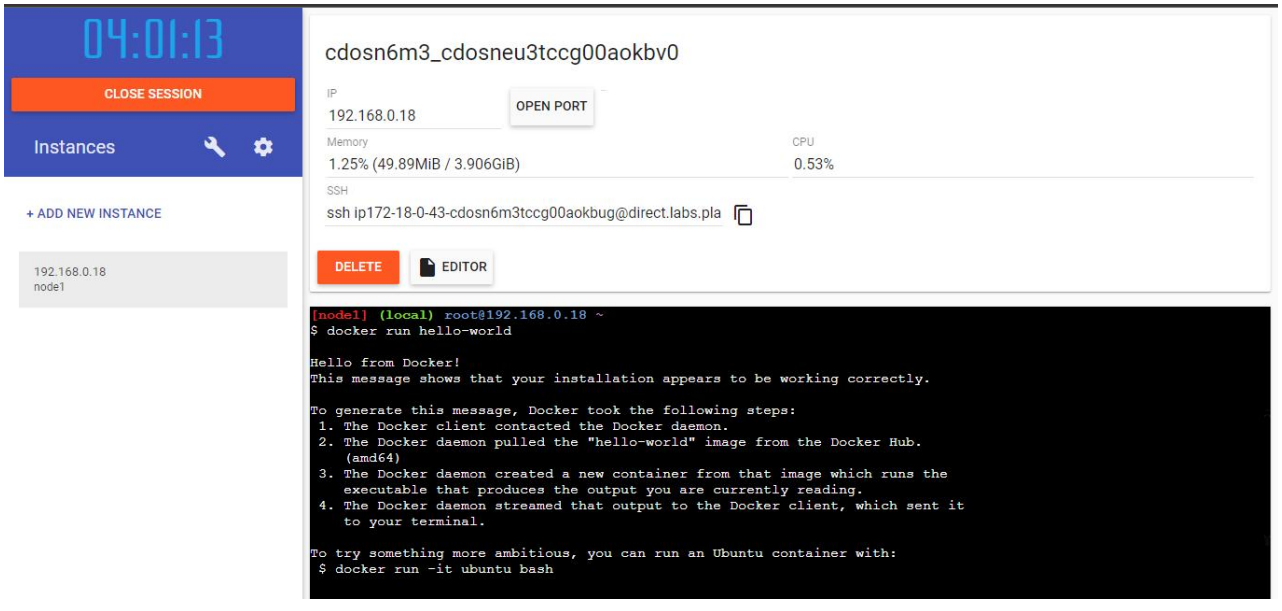
# PERSONAL EXPENSE TRACKER-CLOUD APPLICATION DEVELOPMENT

## Assignment 4

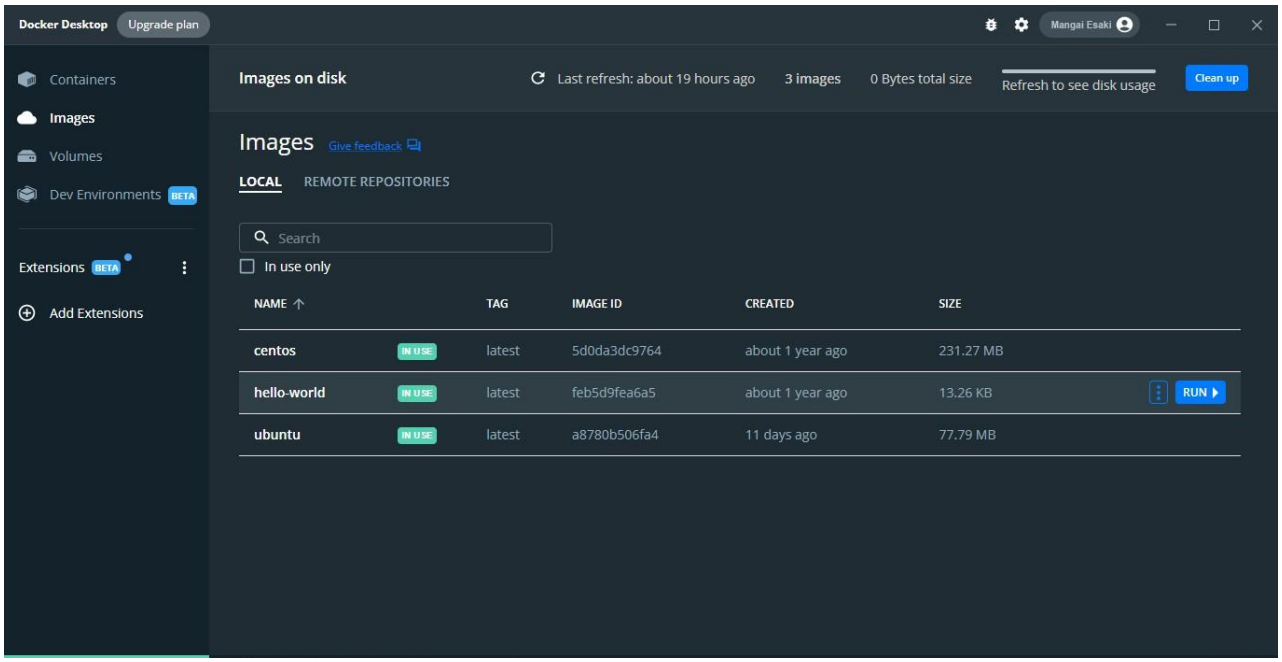
### 1. Pull an Image from docker hub and run it in docker playground.



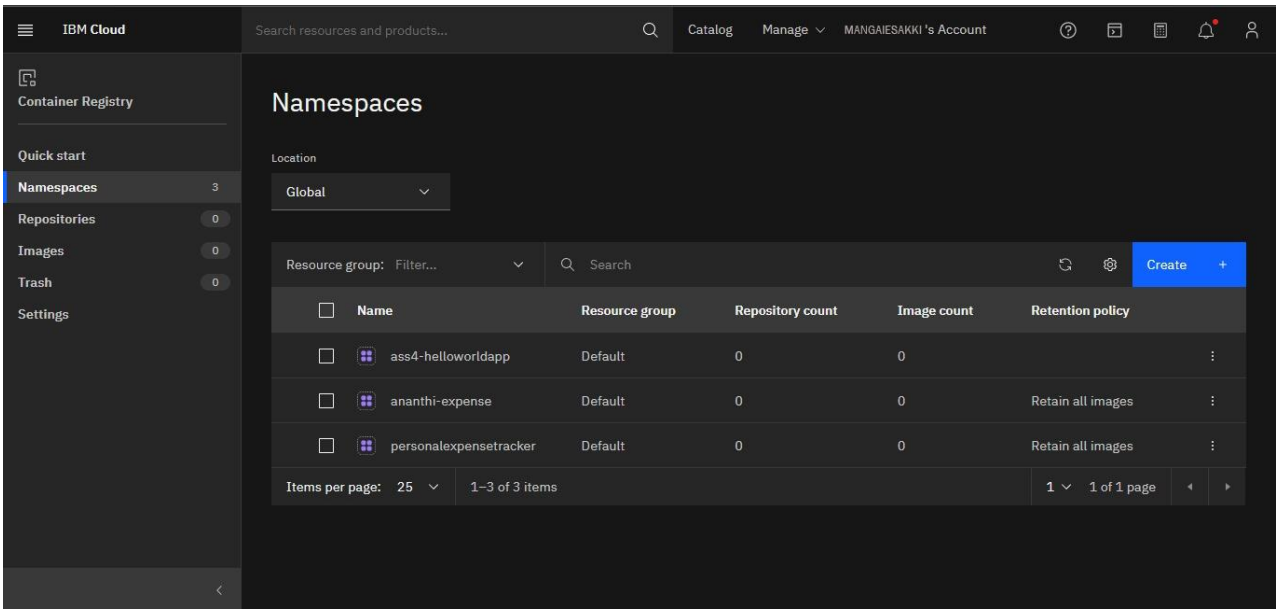



**2. Create a docker file for the jobportal application and deploy it in Docker desktop application.**

```
FROM python:3.7
COPY. /app
WORKDIR /app
COPY requirements.txt /app
RUN python -m pip install -r requirements.txt
EXPOSE 5001
ENTRYPOINT [ "python" ]
CMD [ "app.py" ]
```




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


IBM Cloud
Search resources and products...
Catalog
Manage
MANGAIESAKKI 's Account
Container Registry
Quick start
Namespaces 3
Repositories 0
Images 0
Trash 0
Settings
Namespaces
Location
Global
Resource group: Filter...
Search
Create
Name
Resource group
Repository count
Image count
Retention policy
ass4-helloworldapp Default 0 0
ananthi-expense Default 0 0 Retain all images
personalexpensetracker Default 0 0 Retain all images
Items per page: 25
1–3 of 3 items
1 of 1 page


127.0.0.1:5000
127.0.0.1:5000

**Hello World**


27°C
Rain to stop
Search
ENG
IN
16:26
13-11-2022

**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.**