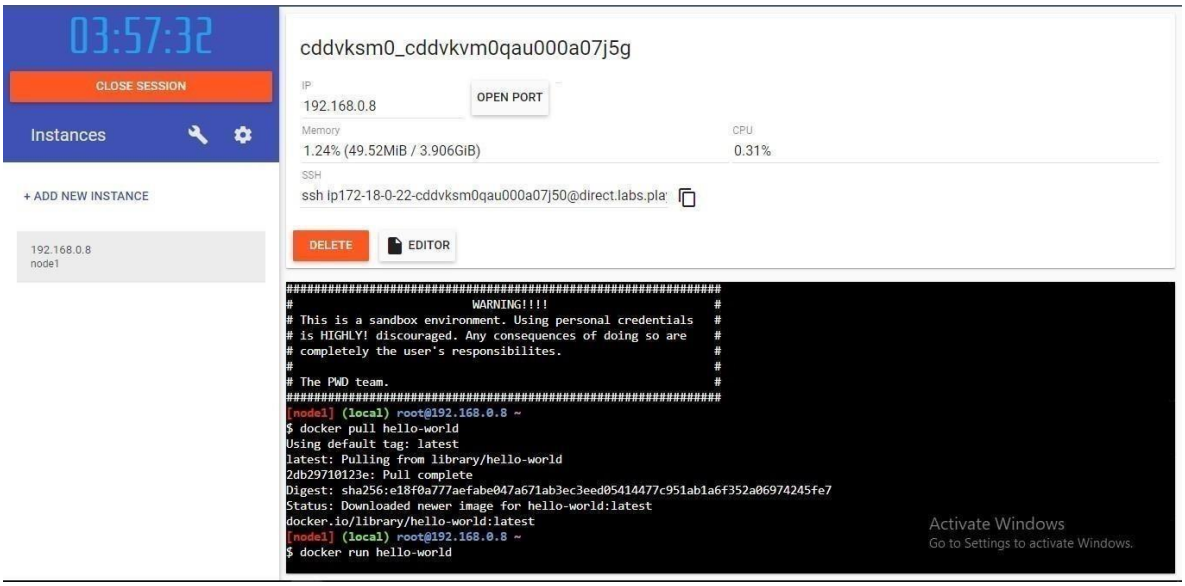
Assignment4

AssignmentDate	21September2022
StudentName	Mancy Ruba S
StudentRollNumber	961819104053
MaximumMarks	2Marks

Question1:

Pullanimagefromdockerhubandrunitin dockerplayground.

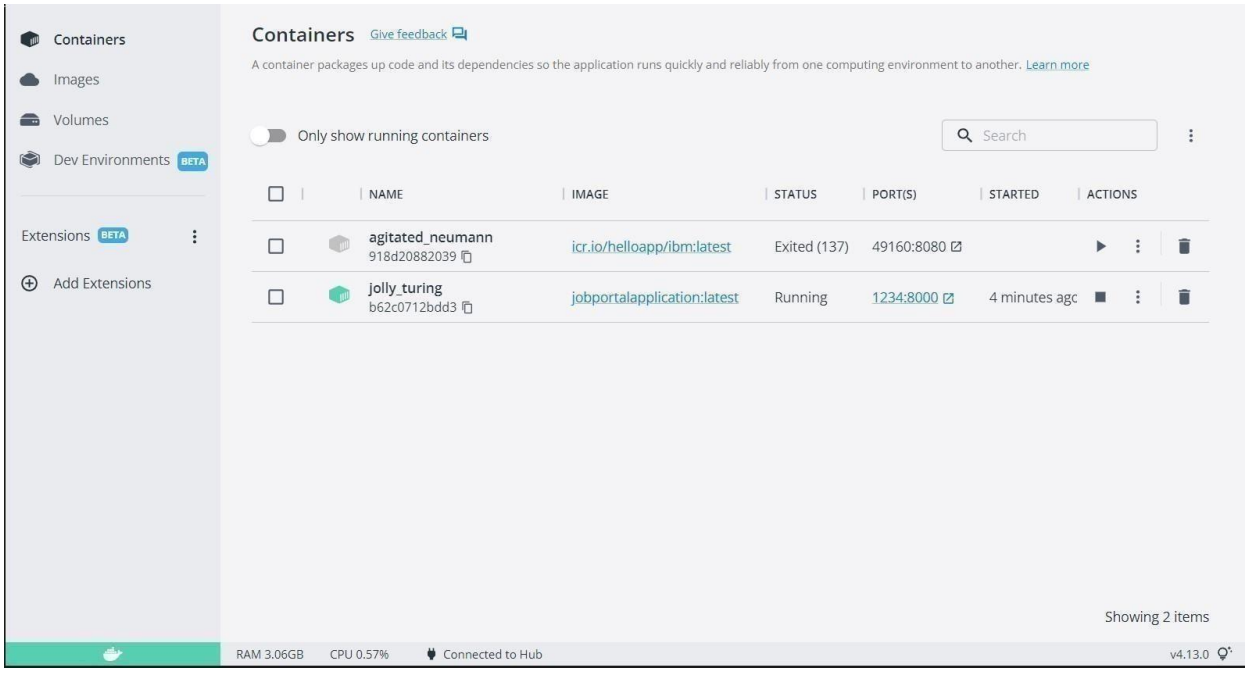


Question2

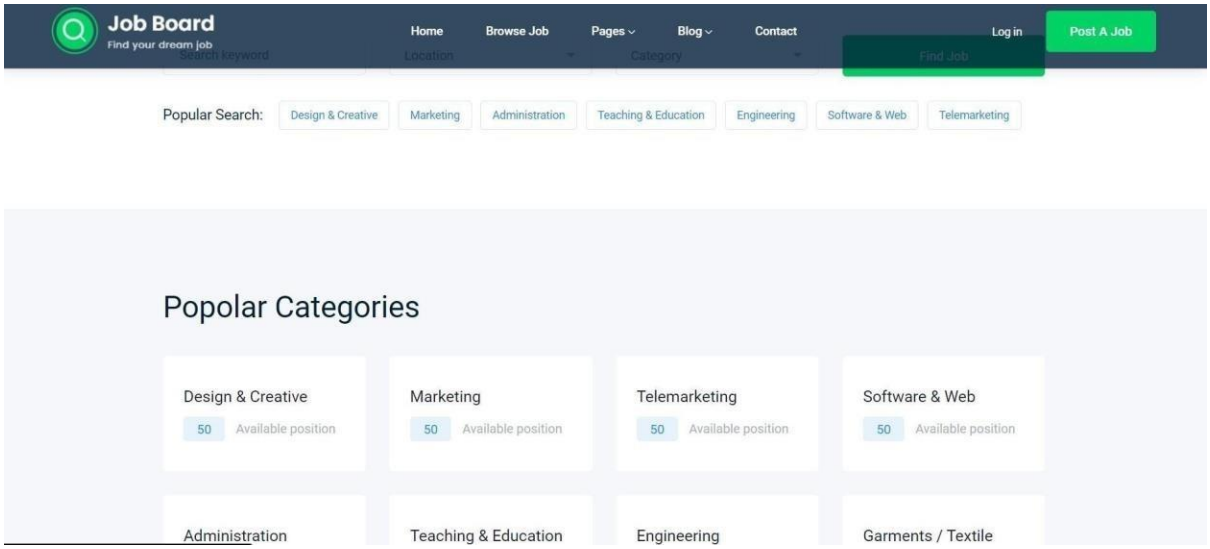
Createadockerfileforthejobportalapplication anddeployitinDockerdesktopapplication

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

RUN cp .env.dev.sample .env

EXPOSE 8000

RUN chmod +x entrypoint.sh

CMD ["sh", "entrypoint.sh"]
```

DEPLOYMENTOFJOBPORTALAPPLICATION:



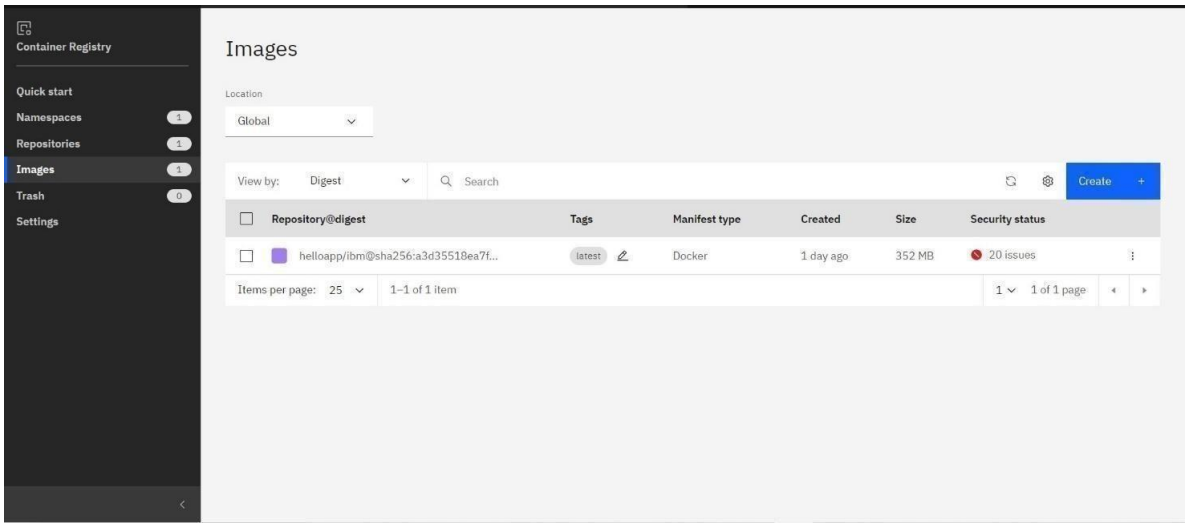
OUTPUT:



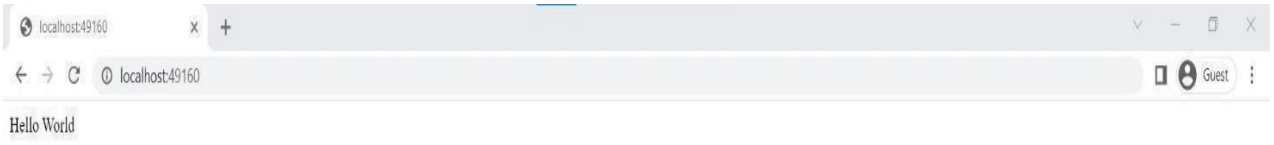
Question3

CreateaIBMcontainerregistryanddeployhello-worldappor jobportapp.IBMCONTAINERREGISTRY

DEPLOYMENT:



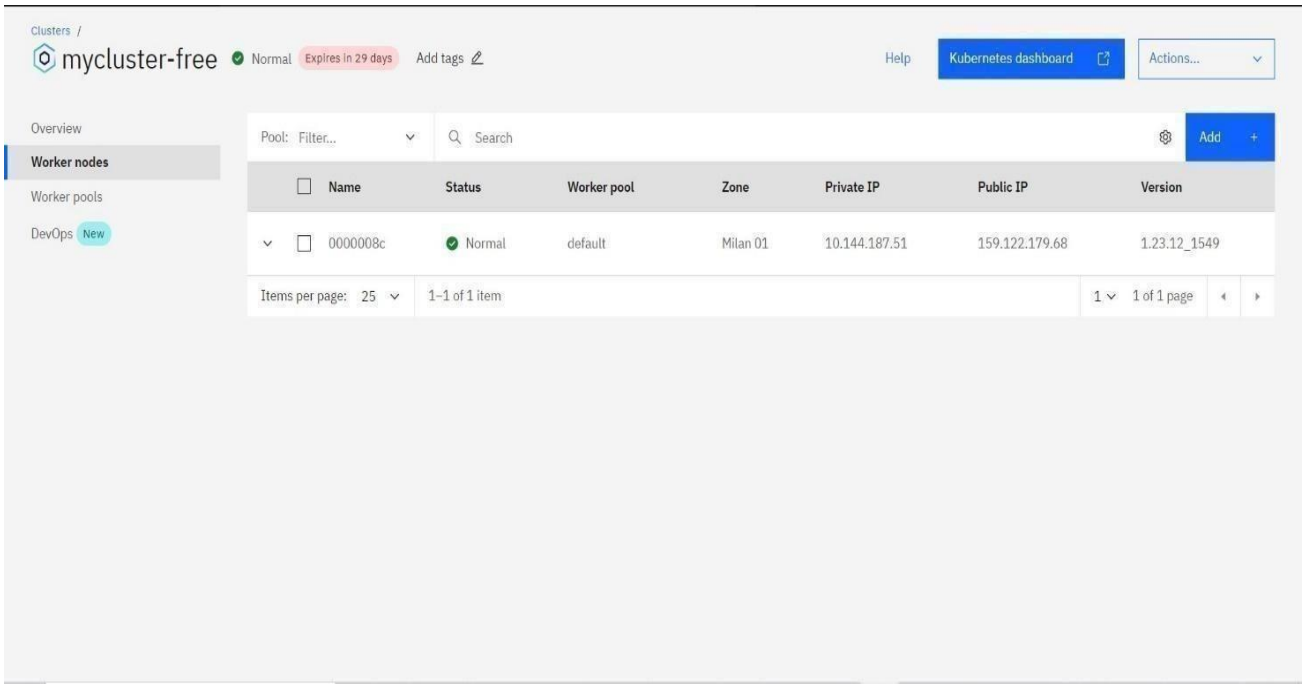
OUTPUT:



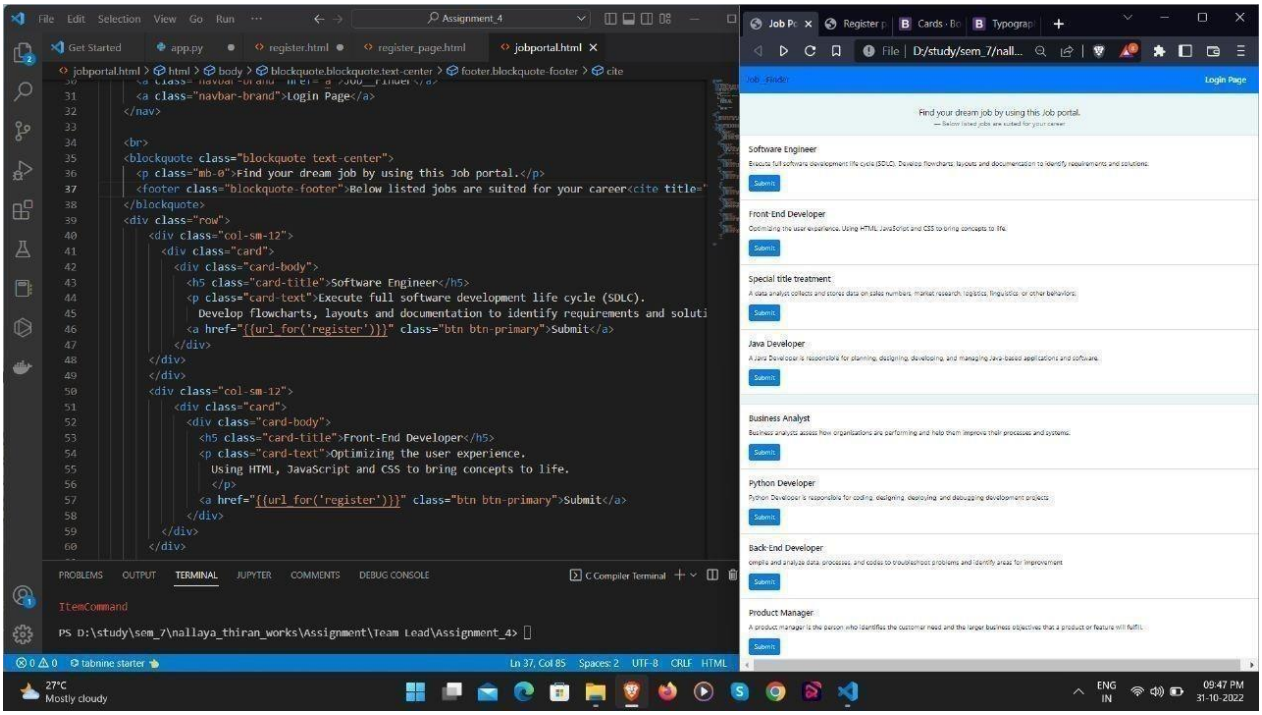
Question4

CreateaKubernetesclusterinIBMcloudanddeployhelloworld imageorjobportalimageandalsoexposethesameapptorunin nodeport.

CreatingKubernetesclusterinIBMcloudandexposingnodeport:



Output


File Edit Selection View Go Run
Assignment_4
Get Started
app.py
register.html
register_page.html
jobportal.html
jobportal.html > html > body > blockquote.blockquote.text-center > footer.blockquote-footer > cite
Login Page
</nav>

<blockquote class="blockquote text-center">
Find your dream job by using this Job portal.
<footer class="blockquote-footer">Below listed jobs are suited for your career<cite title="
</blockquote>

<h5 class="card-title">Software Engineer</h5>
Execute full software development life cycle (SDLC).
Develop flowcharts, layouts and documentation to identify requirements and soluti
Submit

<h5 class="card-title">Front-End Developer</h5>
Optimizing the user experience.
Using HTML, JavaScript and CSS to bring concepts to life.

Submit

PROBLEMS OUTPUT TERMINAL JUPYTER COMMENTS DEBUG CONSOLE
C Compiler Terminal
ItemCommand
PS D:\study\sem_7\nallaya_thiran_works\Assignment\Team Lead\Assignment_4>
tabnine starter
Ln 37, Col 85 Spaces: 2 UTF-8 CRLF HTML
Job Portal
Register
Cards · Bo
Typograp
File | D:/study/sem_7/nall...
Job_Finder
Login Page
Find your dream job by using this Job portal.
Below listed jobs are suited for your career
Software Engineer
Execute full software development life cycle (SDLC). Develop flowcharts, layouts and documentation to identify requirements and solutions.
Submit
Front-End Developer
Optimizing the user experience. Using HTML, JavaScript and CSS to bring concepts to life.
Submit
Special title treatment
A data analyst collects and stores data on sales numbers, market research, logistics, linguistics, or other behaviors.
Submit
Java Developer
A Java Developer is responsible for planning, designing, developing, and managing Java-based applications and software.
Submit
Business Analyst
Business analysts assess how organizations are performing and help them improve their processes and systems.
Submit
Python Developer
Python Developer is responsible for coding, designing, deploying, and debugging development projects.
Submit
Back-End Developer
compile and analyze data, processes, and codes to troubleshoot problems and identify areas for improvement.
Submit
Product Manager
A product manager is the person who identifies the customer need and the larger business objectives that a product or feature will fulfill.
Submit
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31-10-2022