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Course Name: DevOps

Assignment Name: Module 36 Theoretical Overview of Docker and

**Containerization Assignment.** 

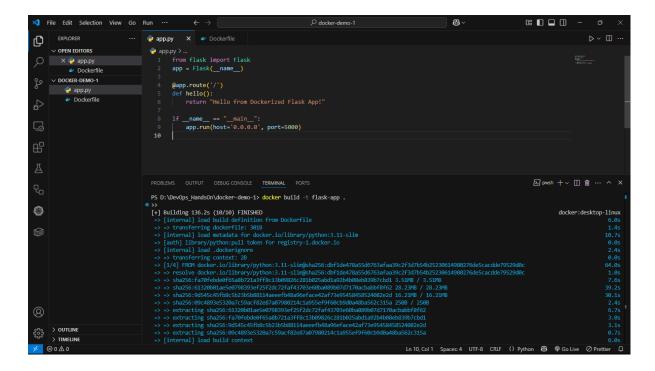
## Task:

Q) Install Docker and create Dockerfiles to containerize applications?

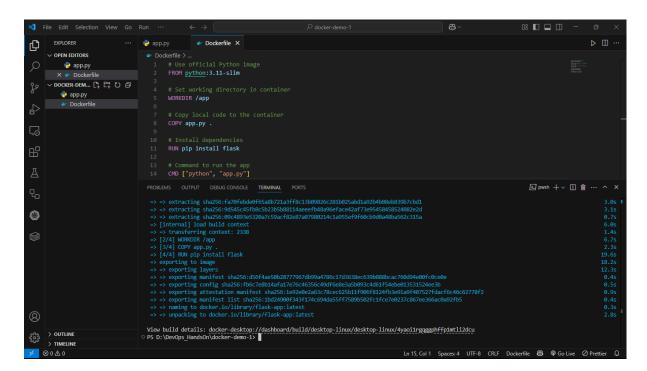
Ans:

## For Windows:

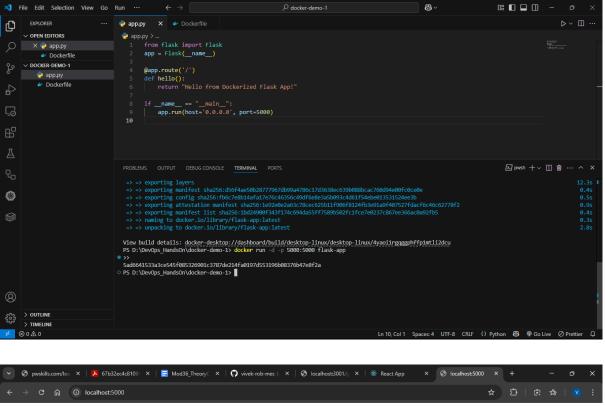
- 1. Go to: https://www.docker.com/products/docker-desktop/
- 2. Download and install **Docker Desktop**.
- 3. During installation:
  - Enable WSL 2 backend (recommended)
  - Restart your system if prompted
- 4. After installation, run this to verify:
  - docker version
  - docker info



Command: docker build -t flask-app ## here flask-app is image name.



Command: docker run -d -p 5000:5000 flask-app



Hello from Dockerized Flask App!

## List container running:

```
View build details: <a href="https://dashboard/build/desktop-linux/desktop-linux/4yaoi1rgqggphffp1mtli2dcu">docker run -d -p 5000:5000 flask-app</a>

>>>

Sad6641533a3ce545f085326901c3787de214fa0197d553196b08376b47e8f2a

PS D:\DevOps_HandsOn\docker-demo-1> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5ad6641533a3 flask-app "python app.py" 2 minutes ago Up 2 minutes 0.0.0.0:5000->5000/tcp tender_bell

PS D:\DevOps_HandsOn\docker-demo-1> 1
```

Stop, remove container and delete image:

