Task 8 - Create a dockerfile, file which when build must display your basic details in website

Python File:

```
from flask import Flask
app = Flask(__name__)
@app.route('/')
def hello():
  return '<b>Hello,</b><br><b>Name: Cyril Doss</b><br><b>Age:
22</b><br/>b>>Education: M.Sc Computer Science</b>'
if __name__ == '__main__':
  app.run(debug=True, host='0.0.0.0')
```

Docker file:

```
FROM python:3.8-alpine
WORKDIR /try
COPY requirements.txt .
RUN pip install -r requirements.txt
COPY . .
EXPOSE 8000
CMD ["python", "app.py"]
```

Converting Docker file to image:

```
ubuntu@ip-172-31-41-158:~/Dockerfiles-SampleApps/python$ vi Dockerfile ubuntu@ip-172-31-41-158:~/Dockerfiles-SampleApps/python$ docker build -t myapp .
```

```
ubuntu@ip-172-31-41-158:~/Dockerfiles-SampleApps/python$ docker build -t myapp .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
            Install the buildx component to build images with BuildKit:
            https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 16.9kB
Step 1/7 : FROM python:3.8-alpine
---> bedfee6adc40
Step 2/7 : WORKDIR /try
---> Using cache
 ---> 3e8f004e4e1e
Step 3/7 : COPY requirements.txt .
---> Using cache
 ---> ed2e52040c62
Step 4/7 : RUN pip install -r requirements.txt
---> Using cache
 ---> af90228ff1a9
Step 5/7 : COPY . .
---> e8d5846cc0c9
Step 6/7 : EXPOSE 8000
---> Running in a3600a7205f4
Removing intermediate container a3600a7205f4
---> 9416b81e90a5
Step 7/7 : CMD ["python", "app.py"]
---> Running in eb452707dba2
Removing intermediate container eb452707dba2
```

```
Successfully built d6285aab36e8
Successfully tagged myapp:latest
ubuntu@ip-172-31-41-158:~/Dockerfiles-SampleApps/python$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
myapp latest d6285aab36e8 12 seconds ago 58.7MB
```

Containerizing docker image:



Running Application using docker container:

