Clone: git clone git@github.com:devanarayanantm/python-project.git

```
root@kmaster:~# git clone git@github.com:devanarayanantm/python-project.git
Cloning into 'python-project'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 9 (delta 2), reused 1 (delta 1), pack-reused 4 (from 1)
Receiving objects: 100% (9/9), done.
Resolving deltas: 100% (2/2), done.
```

Create docker file: nano Dockerfile

```
WORKDIR /app

COPY requirements.txt .

RUN python3 -m pip install --upgrade pip

RUN pip install -r requirements.txt

COPY .

EXPOSE 5000

CMD [ "python", "app.py" ]
```

Create image: docker build -t devanarayanantm/simplepythonimg.

Run the container: docker run -d --name=simplepythoncont -p 5050:5000 devanarayanantm/simplepythonimg

```
root@kmaster:~/pythoń-project# docker run -d --name=simplepythoncont -p 5050:5000 devanarayanantm/simplepythonimg
c3856230c5986b04457a286pe72150e92b913087398829231f11c5c375633279
```

Container id: docker

```
FOOT@AMBSTET:-/python-project# docker ps
CONTAINER ID IMAGE
CONTAINER ID IMAGE
C3856230c598 devanarayanantm/simplepythonimg "python app.py" 47 seconds ago Up 47 seconds 0.0.0:5050->5000/tcp, [::]:5050->5000/tcp, simplepython.cont
```

Working dir inside the container:

```
root@kmaster:~/python-project# docker exec -it c3856230c598 /bin/bash
root@c3856230c598:/app# pwd
/app
root@c3856230c598:/app#
```

To check the current working dir: pwd

Writable layer: cd /var/lib/docker/overlay2/