

Docker – I Assignment – 4

You have been asked to:

- Create a Docker file with the following specs:
- Ubuntu Image.
- Apache2 installed.
- Apache2 should automatically run once the container starts.

Submit the Docker file, for assignment completion.

Answer

```
===== DockerFile =====  
FROM ubuntu  
RUN apt-get update  
RUN DEBAIN_FRONTEND="noninteractive" apt-get install tzdata -y  
RUN apt-get install apache2 -y  
ENTRYPOINT apachectl -D FOREGROUND
```

Build the Docker using Docker Build

```
aravi@techarkit-ubuntu:~$ sudo docker build . -t app1  
[+] Building 0.0s (8/8) FINISHED  
docker:default  
=> [internal] load build definition from Dockerfile  
=> => transferring dockerfile: 199B  
=> [internal] load .dockerignore  
=> => transferring context: 2B  
=> [internal] load metadata for docker.io/library/ubuntu:latest  
=> [1/4] FROM docker.io/library/ubuntu  
=> CACHED [2/4] RUN apt-get update  
=> CACHED [3/4] RUN DEBAIN_FRONTEND="noninteractive" apt-get install tzdata -y  
=> CACHED [4/4] RUN apt-get install apache2 -y  
=> exporting to image  
=> => exporting layers  
=> => writing image  
sha256:934cfd26261dc6a272d4b8ede929a8110d0073415cb5ec4e24db6273537200cd  
=> => naming to docker.io/library/app1
```

```
aravi@techarkit-ubuntu:~$ sudo docker images  
REPOSITORY          TAG             IMAGE ID        CREATED  
SIZE  
app1                latest         934cfd26261d   2 minutes ago  
236MB
```

Run the Docker Image to spin up the Container

```

aravi@techarkit-ubuntu:~$ sudo docker run -it -d -p 90:80
app1
6ed3c8928e3df5ee0be65eacb580379b1c6baa6db9f2b4d2970951fdd1a11
20e
aravi@techarkit-ubuntu:~$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND
CREATED            STATUS              PORTS
NAMES
6ed3c8928e3d        app1               "/bin/sh -c 'apachec..."   6
seconds ago        Up 6 seconds       0.0.0.0:90->80/tcp, :::90-
>80/tcp            sad_cannon

```

That's it Assignment is Completed