**Ubuntu image working**

**1.Create the directory and change the directory**

```
root@gowtham:~# mkdir docker
root@gowtham:~# cd docker
```

**Vi dockerfile**

```
FROM ubuntu
RUN apt-get update -y && \
    apt-get install -y apache2 && \
    apt-get clean
COPY index.html /var/www/html/
EXPOSE 80
CMD ["apachectl", "-D", "FOREGROUND"]
~
~
~
```

## Vi index.html

```
<!DOCTYPE html>
<html>
<style>
body {font-family: Arial, Helvetica, sans-serif;}
* {box-sizing: border-box}

/* Full-width input fields */
input[type=text], input[type=password] {
  width: 100%;
  padding: 15px;
  margin: 5px 0 22px 0;
  display: inline-block;
  border: none;
  background: #f1f1f1;
}

input[type=text]:focus, input[type=password]:focus {
  background-color: #ddd;
  outline: none;
}
```

## 2.build the images:

```
root@gowtham:~/docker# docker build -t ubuntu .
[+] Building 4.7s (8/8) FINISHED                                                    docker:default
 => [internal] load build definition from dockerfile                                     0.0s
 => => transferring dockerfile: 211B                                                     0.0s
 => [internal] load metadata for docker.io/library/ubuntu:latest                         1.3s
 => [internal] load .dockerignore                                                        0.0s
 => => transferring context: 2B                                                          0.0s
 => [1/3] FROM docker.io/library/ubuntu:latest@sha256:2e863c44b718727c860746568e1d54afd13b2fa71b160f5c  0.0s
 => [internal] load build context                                                        0.0s
 => => transferring context: 80B                                                         0.0s
 => CACHED [2/3] RUN apt-get update -y &&     apt-get install -y apache2 &&     apt-get clean  0.0s
 => [3/3] COPY index.html /var/www/html/                                                 0.2s
 => exporting to image                                                                   2.9s
 => => exporting layers                                                                  2.9s
 => => writing image sha256:af3d141a3d0cf13d0a0052e2871395e69baa663e919721134c3f5f9030afee1c  0.0s
 => => naming to docker.io/library/ubuntu                                                0.0s
```
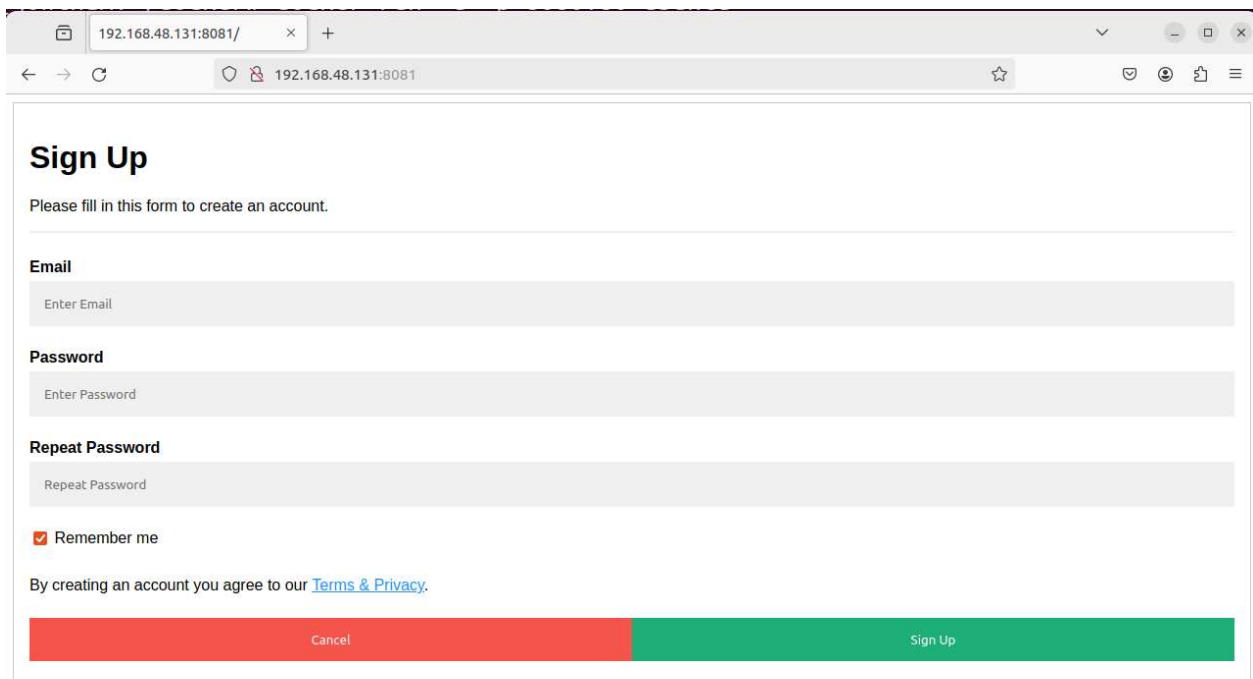
# Docker images

```
root@gowtham:~/docker# docker images
REPOSITORY      TAG        IMAGE ID          CREATED            SIZE
ubuntu          latest     af3d141a3d0c      48 seconds ago     223MB
```

# 3.Run the container:

```
root@gowtham:~/docker# docker run -d -p 8081:80 ubuntu
5b85b2e172ccd5d8d7ed80ddec362dfdb3f301625b711c14ca1aedb55dc02633
```

# 4.check the IPaddress and port to be added