

## Docker Task -2

### Task Description:

Create a dockerfile, docker-compose file which when executed must display your basic details in the website.

```
ubuntu@ip-172-31-75-40:~$ mkdir basic-details-site  
ubuntu@ip-172-31-75-40:~$ cd basic-details-site  
ubuntu@ip-172-31-75-40:~/basic-details-site$ vi index.html
```

Creating a index.html:

```
<!DOCTYPE html>
<html>
<head>
  <title>My Details</title>
  <style>
    body {
      font-family: Arial;
      background-color: #f4f6f8;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .card {
      background: white;
      padding: 30px;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0,0,0,0.1);
      text-align: center;
    }
  </style>
</head>
<body>
  <div class="card">
    <h1>Sudheer</h1>
    <p><b>Email:</b> sudheert.tech@gmail.com</p>
    <p><b>Role:</b> DevOps Engineer</p>
    <p><b>Skills:</b> AWS | Docker | Linux</p>
  </div>
</body>
</html>
```

**Creating Dockerfile:**

```
FROM nginx:alpine

COPY index.html /usr/share/nginx/html/index.html

EXPOSE 80

~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~
```

**Creating docker-compose.yml:**

```

version: "3.8"

services:
  web:
    build: .
    container_name: basic-details
    ports:
      - "80:80"

```

~  
~  
~  
~  
~

### Run docker-compose:

```

root@ip-172-31-75-40:/home/ubuntu/basic-details-site# docker-compose up -d --build
WARNING: The Docker Engine you're using is running in swarm mode.

Compose does not use swarm mode to deploy services to multiple nodes in a swarm. All containers will be scheduled on the current node
.

To deploy your application across the swarm, use 'docker stack deploy'.

Creating network "basic-details-site_default" with the default driver
Building web
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  4.608kB
Step 1/3 : FROM nginx:alpine
alpine: Pulling from library/nginx
589002ba0eae: Already exists
9331cd6029cb: Pulling fs layer
211bae00ea56: Pulling fs layer
9739627526d7: Pulling fs layer
6c2f4c63521d: Pulling fs layer
76fc765fd3b0: Pulling fs layer
cd835559902a: Pulling fs layer
55cbbd6285fe: Pulling fs layer

```

```

Status: Downloaded newer image for nginx:alpine
--> 2a855eac5070
Step 2/3 : COPY index.html /usr/share/nginx/html/index.html
--> 4f659f367f18
Step 3/3 : EXPOSE 80
--> Running in 0225cf820708
--> Removed intermediate container 0225cf820708
--> 001846fb1e0e
Successfully built 001846fb1e0e
Successfully tagged basic-details-site_web:latest
Creating basic-details ... done
root@ip-172-31-75-40:/home/ubuntu/basic-details-site# docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS
NAMES
0ce793677f9f        basic-details-site_web   "/docker-entrypoint..."   8 seconds ago     Up 7 seconds          0.0.0.0:80->80/tcp, [::]:80->80/
tcp    basic-details

```

## Test in Ec2:

```
root@ip-172-31-75-40:/home/ubuntu/basic-details-site# curl http://localhost:80
<!DOCTYPE html>
<html>
<head>
  <title>My Details</title>
  <style>
    body {
      font-family: Arial;
      background-color: #f4f6f8;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .card {
      background: white;
      padding: 30px;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0,0,0,0.1);
      text-align: center;
    }
  </style>
</head>
<body>
  <div class="card">
    <h1>Sudheer</h1>
    <p><b>Email:</b> sudheert.tech@gmail.com</p>
    <p><b>Role:</b> DevOps Engineer</p>
    <p><b>Skills:</b> AWS | Docker | Linux</p>
  </div>

```

## Test in inside the container:

```
root@ip-172-31-75-40:/home/ubuntu/basic-details-site# docker exec -it 0ce793677f9f sh
/ # curl
curl: try 'curl --help' or 'curl --manual' for more information
/ # curl http://localhost:80
<!DOCTYPE html>
<html>
<head>
  <title>My Details</title>
  <style>
    body {
      font-family: Arial;
      background-color: #f4f6f8;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .card {
      background: white;
      padding: 30px;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0,0,0,0.1);
      text-align: center;
    }
  </style>
</head>
<body>
  <div class="card">
    <h1>Sudheer</h1>
    <p><b>Email:</b> sudheert.tech@gmail.com</p>
    <p><b>Role:</b> DevOps Engineer</p>
    <p><b>Skills:</b> AWS | Docker | Linux</p>
  </div>
</body>
</html>
```

## Test in browser the <http://44.222.171.43/>



