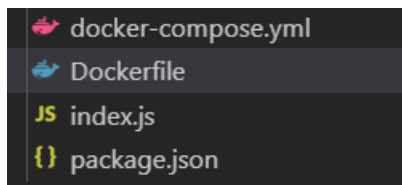


Task 2 Description:

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

We need 4 files require to containerize.



Dockerfile

```
1 FROM node:latest
2 WORKDIR /app
3 COPY package*.json ./
4 RUN npm install
5 COPY . .
6 CMD ["npm", "start"]
7
```

Index.js

```

1  const express = require('express');
2  const app = express();
3  const PORT = 3000;
4
5
6  //your personal details
7  const details = {
8      name: "Un Jilani",
9      profession: "Security Engineer",
10     description: "A extraordinary guy with full of energy"
11 }
12 };
13
14 // Route to display your details
15 app.get('/', (req, res) => {
16     res.send(`
17         <h1>Personal Details</h1>
18         <p><strong>Name:</strong> ${details.name}</p>
19         <p><strong>Profession:</strong> ${details.profession}</p>
20         <p><strong>Description:</strong> ${details.description}</p>`);
21 });
22
23
24 //start the server
25 app.listen(PORT, () => {
26     console.log(`Server is running on http://localhost:${PORT}`);
27 });

```

Package-json file

```
1  {
2    "name": "personal-details-app",
3    "version": "1.0.0",
4    "description": "A sample json application displays personal details",
5    "main": "index.js",
6    "scripts": {
7      "start": "node index.js"
8    },
9    "dependencies": {
10     "express": "4.21.1"
11   },
12   "devDependencies": {},
13   "keywords": [],
14   "author": "Umer Jilani",
15   "license": "ISC"
16 }
```

Docker-compose.yml file

```
1  version: '3.8'
2
3  services:
4    web:
5      build: .
6      ports:
7        - "3000:3000"
```

Docker-compose up -> building container

```
$ docker compose up
time="2024-11-04T23:18:09+03:00" level=warning msg="D:\\DevOPS-Classes\\ExampleProjects\\Assignment Docker Compose-Task\\docker-compose.yml: the
attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Building 1161.5s (11/11) FINISHED                                docker:desktop-linux
=> [web internal] load build definition from Dockerfile              0.0s
=> => transferring dockerfile: 138B                                  0.0s
=> [web internal] load metadata for docker.io/library/node:latest    0.1s
=> [web internal] load .dockerignore                                  0.0s
=> => transferring context: 2B                                         0.0s
=> [web 1/5] FROM docker.io/library/node:latest@sha256:840dad0077213cadd2d734d542ae11cd0f648200be29504eb1b6e2c995d2b75a  0.1s
=> => resolve docker.io/library/node:latest@sha256:840dad0077213cadd2d734d542ae11cd0f648200be29504eb1b6e2c995d2b75a  0.1s
=> [web internal] load build context                                  0.0s
=> => transferring context: 235B                                       0.0s
=> CACHED [web 2/5] WORKDIR /app                                     0.0s
=> CACHED [web 3/5] COPY package*.json ./                            0.0s
=> [web 4/5] RUN npm install                                          1157.8s
```

docker-compose ps -> shows container is running

```
• $ docker compose ps
time="2024-11-04T23:42:24+03:00" level=warning msg="D:\\DevOPS-Classes\\ExampleProjects\\Assignment Docker Compose-Task\\docker-compose.yml: th
attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
NAME                                IMAGE                                COMMAND                                SERVICE    CREATED        STATUS        PORTS
assignmentdockercompose-task-web-1  assignmentdockercompose-task-web    "docker-entrypoint.s..."            web        4 minutes ago  Up 4 minutes  0.0.0.0:3000->3000/tcp

jilan@myOffice MINGW64 /d/DevOPS-Classes/ExampleProjects/Assignment Docker Compose-Task
o $
```

Access the application via localhost:3000



Personal Details

Name: Un Jilani

Profession: Security Engineer

Description: A extraordinary guy with full of energy