STEPS :

Step 1: Install Docker

Step 2: Create hello.js

Step 3: Build the Docker Image

      In VS Code terminal

          docker build -t my-node-app .

Step 4: Run the Docker Container

      In VS Code terminal

          docker run my-node-app

CODE :

Hello.js

```
console.log("hello world");
```
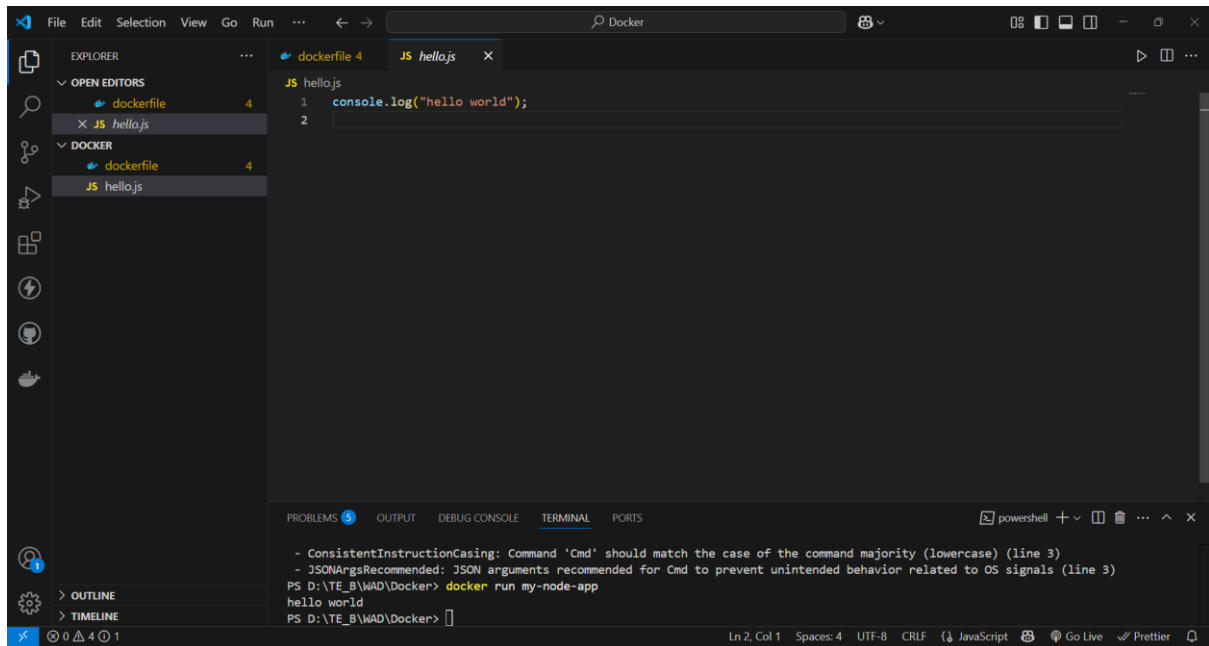
dockerfile

```
from node:alpine
Copy . /Docker
Cmd node /Docker/hello.js
```

Terminal commands
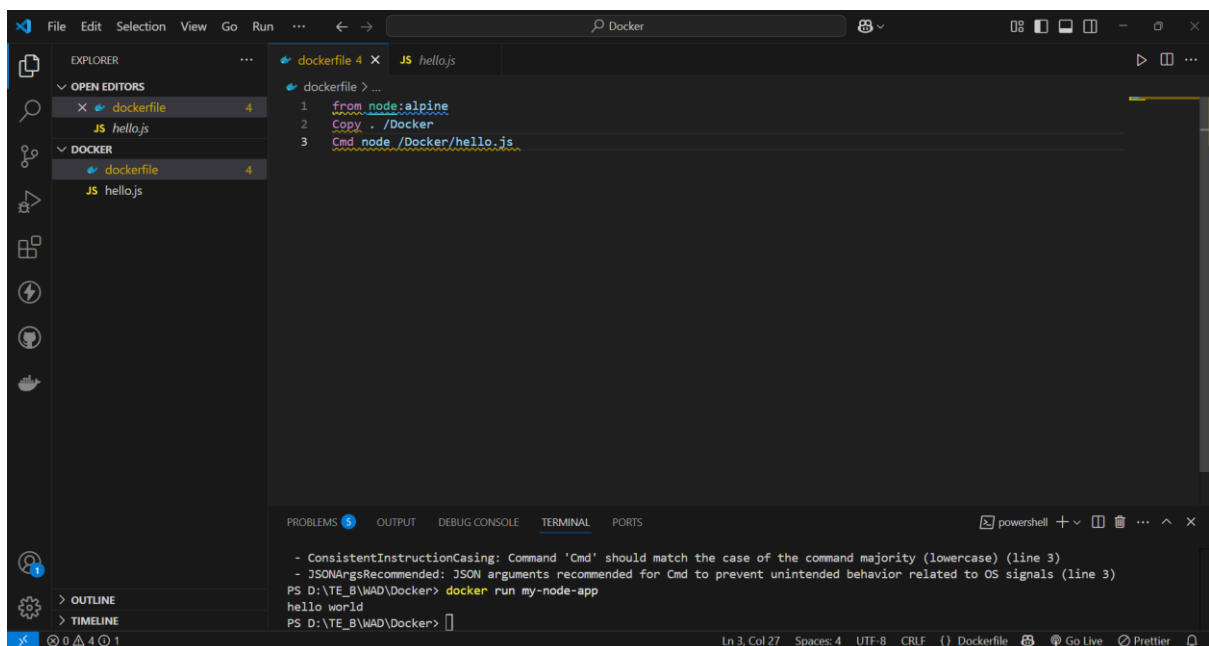
docker build -t my-node-app .

docker run my-node-app

```
PS D:\TE_B\WAD\Docker> docker build -t my-node-app .
[+] Building 0.9s (7/7) FINISHED                                                              docker:desktop-linux
 => [internal] load build definition from dockerfile                                                        0.0s
 => => transferring dockerfile: 97B                                                                         0.0s
 => WARN: ConsistentInstructionCasing: Command 'Copy' should match the case of the command majority (lowercase) (line 2)  0.0s
 => WARN: ConsistentInstructionCasing: Command 'Cmd' should match the case of the command majority (lowercase) (line 3)   0.0s
 => [internal] load metadata for docker.io/library/node:alpine                                              0.4s
 => [internal] load .dockerignore                                                                           0.0s
 => => transferring context: 2B                                                                             0.0s
 => CACHED [1/2] FROM docker.io/library/node:alpine@sha256:86703151a18fcd06258e013073508c4afea8e19cd7ed451554221dd00aea83fc  0.0s
 => => resolve docker.io/library/node:alpine@sha256:86703151a18fcd06258e013073508c4afea8e19cd7ed451554221dd00aea83fc  0.0s
 => [internal] load build context                                                                           0.0s
 => => transferring context: 124B                                                                           0.0s
 => [2/2] COPY . /Docker                                                                                    0.0s
 => exporting to image                                                                                      0.2s
 => exporting to image                                                                                      0.2s
 => => exporting layers                                                                                     0.1s
 => => exporting manifest sha256:3ab217d7e4aca17c9da1c0bbe14a3263215437a11a1d49e7b79d065b14a752c2           0.0s
 => => exporting config sha256:d765ba5fe9d7958fc71172997cc1f3baa4b8e7a503fa562fa647ea394a062695             0.0s
 => => exporting manifest sha256:3ab217d7e4aca17c9da1c0bbe14a3263215437a11a1d49e7b79d065b14a752c2           0.0s
 => => exporting config sha256:d765ba5fe9d7958fc71172997cc1f3baa4b8e7a503fa562fa647ea394a062695             0.0s
 => => exporting attestation manifest sha256:4e4f3ef244f08908c532d3106cf74c99f21d0ec8fc9a1b0c5529934c7e6dd5ae  0.0s
 => => exporting manifest list sha256:db2bb69811b3453bb4ed1a104c520c6d64b58a362ea68d9e08fa7984193f2ad7      0.0s
 => => exporting config sha256:d765ba5fe9d7958fc71172997cc1f3baa4b8e7a503fa562fa647ea394a062695             0.0s
 => => exporting attestation manifest sha256:4e4f3ef244f08908c532d3106cf74c99f21d0ec8fc9a1b0c5529934c7e6dd5ae  0.0s
 => => exporting manifest list sha256:db2bb69811b3453bb4ed1a104c520c6d64b58a362ea68d9e08fa7984193f2ad7      0.0s
 => => naming to docker.io/library/my-node-app:latest                                                       0.0s
 => => exporting attestation manifest sha256:4e4f3ef244f08908c532d3106cf74c99f21d0ec8fc9a1b0c5529934c7e6dd5ae  0.0s
 => => exporting manifest list sha256:db2bb69811b3453bb4ed1a104c520c6d64b58a362ea68d9e08fa7984193f2ad7      0.0s
 => => naming to docker.io/library/my-node-app:latest                                                       0.0s
 => exporting manifest list sha256:db2bb69811b3453bb4ed1a104c520c6d64b58a362ea68d9e08fa7984193f2ad7         0.0s
 => => naming to docker.io/library/my-node-app:latest                                                       0.0s
 => => unpacking to docker.io/library/my-node-app:latest                                                    0.0s
```

Screenshot 2:

```
3 warnings found (use docker --debug to expand):
 - ConsistentInstructionCasing: Command 'Copy' should match the case of the command majority (lowercase) (line 2)
 - ConsistentInstructionCasing: Command 'Cmd' should match the case of the command majority (lowercase) (line 3)
 - JSONArgsRecommended: JSON arguments recommended for Cmd to prevent unintended behavior related to OS signals (line 3)
PS D:\TE_B\WAD\Docker> docker run my-node-app
hello world
PS D:\TE_B\WAD\Docker>
```