

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
```

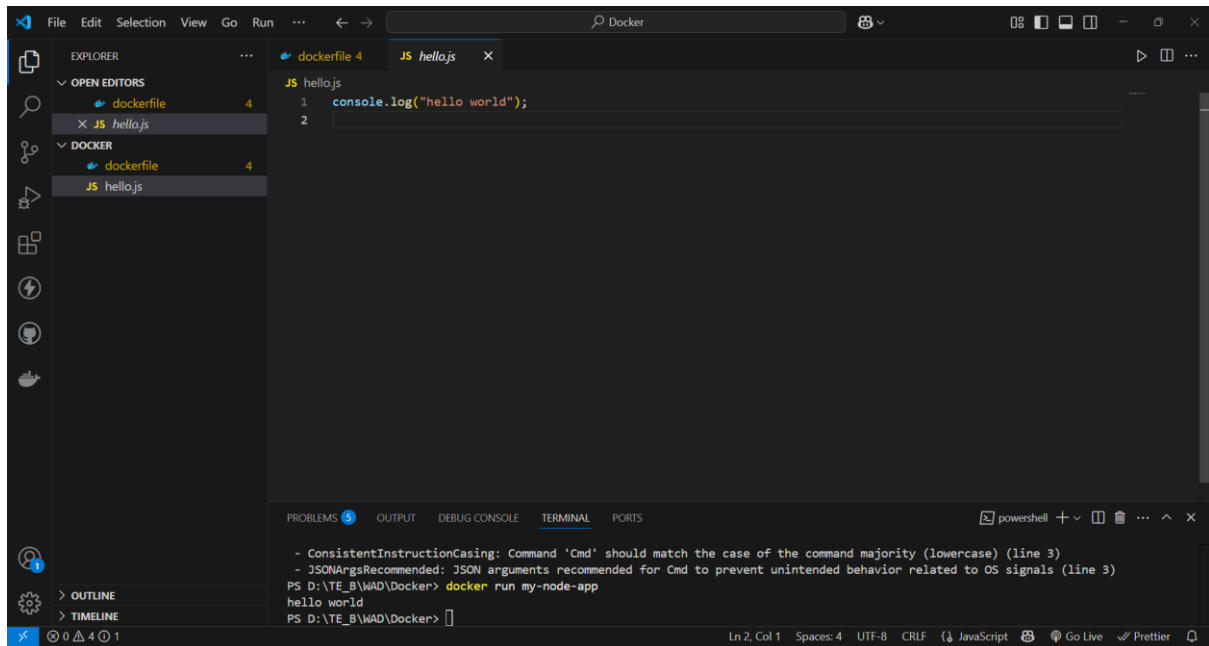
```
Copy . /Docker
```

```
Cmd node /Docker/hello.js
```

Terminal commands

`docker build -t my-node-app .`

`docker run my-node-app`



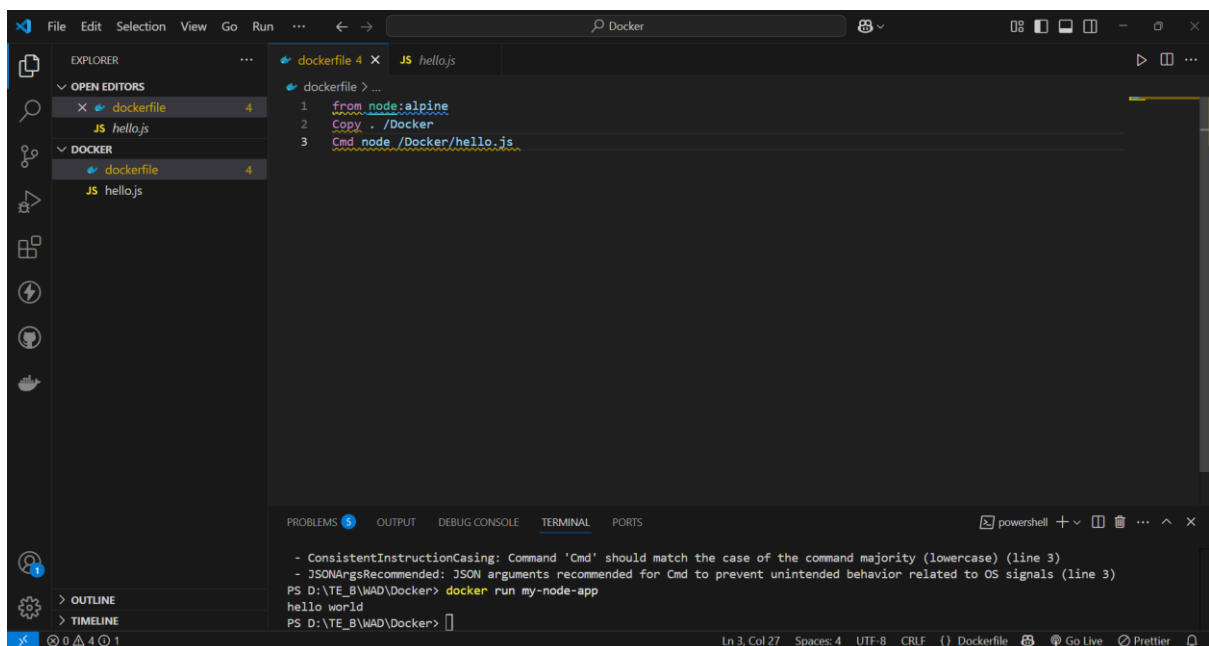
The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a project with two files: `dockerfile` and `JS hello.js`. The main editor area has two tabs: `dockerfile 4` and `JS hello.js`. The `JS hello.js` tab is active, showing the following code:

```
1 console.log("hello world");
2
```

The terminal at the bottom shows the output of the `docker run my-node-app` command:

```
PS D:\TE_B\WAD\Docker> docker run my-node-app
hello world
PS D:\TE_B\WAD\Docker>
```

The status bar at the bottom indicates the file is `Ln 2, Col 1`, `Spaces: 4`, `UTF-8`, `CRLF`, and the language is `JavaScript`.



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a project with two files: `dockerfile` and `JS hello.js`. The main editor area has two tabs: `dockerfile 4` and `JS hello.js`. The `dockerfile 4` tab is active, showing the following code:

```
1 from node:alpine
2 copy . /Docker
3 cmd node /Docker/hello.js
```

The terminal at the bottom shows the output of the `docker run my-node-app` command:

```
PS D:\TE_B\WAD\Docker> docker run my-node-app
hello world
PS D:\TE_B\WAD\Docker>
```

The status bar at the bottom indicates the file is `Ln 3, Col 27`, `Spaces: 4`, `UTF-8`, `CRLF`, and the language is `Dockerfile`.

```
PS D:\TE_B\WAD\docker> docker build -t my-node-app .
[+] Building 0.9s (7/7) FINISHED
=> [internal] load build definition from dockerfile
=> => transferring dockerfile: 97B
=> WARN: ConsistentInstructionCasing: Command 'Copy' should match the case of the command majority (lowercase) (line 2)
=> WARN: ConsistentInstructionCasing: Command 'Cmd' should match the case of the command majority (lowercase) (line 3)
=> [internal] load metadata for docker.io/library/node:alpine
=> [internal] load .dockerignore
=> => transferring context: 28
=> CACHED [1/2] FROM docker.io/library/node:alpine@sha256:86783151a18fcd06258e013073508c4afea8e19cd7ed451554221dd0aea83fc
=> => resolve docker.io/library/node:alpine@sha256:86783151a18fcd06258e013073508c4afea8e19cd7ed451554221dd0aea83fc
=> [internal] load build context
=> => transferring context: 124B
=> [2/2] COPY . /Docker
=> exporting to image
=> exporting to image
=> => exporting layers
=> => exporting manifest sha256:3ab217d7e4aca17c9da1c0bbe14a3263215437a11a1d49e7b79d065b14a752c2
=> => exporting config sha256:d765ba5fe9d7958fc71172997cc1f3baa4b8e7a503fa562fa647ea394a062695
=> => exporting manifest sha256:3ab217d7e4aca17c9da1c0bbe14a3263215437a11a1d49e7b79d065b14a752c2
=> => exporting config sha256:d765ba5fe9d7958fc71172997cc1f3baa4b8e7a503fa562fa647ea394a062695
=> => exporting attestation manifest sha256:4e4f3ef244f08908c532d3106cf74c99f21d0ec8fc9a1b0c5529934c7e6dd5ae
=> => exporting manifest list sha256:db2bb69811b3453bb4ed1a104c520c6d64b58a362ea68d9e08fa7984193f2ad7
=> => exporting attestation manifest sha256:4e4f3ef244f08908c532d3106cf74c99f21d0ec8fc9a1b0c5529934c7e6dd5ae
=> => exporting manifest list sha256:db2bb69811b3453bb4ed1a104c520c6d64b58a362ea68d9e08fa7984193f2ad7
=> => naming to docker.io/library/my-node-app:latest
=> => exporting attestation manifest sha256:4e4f3ef244f08908c532d3106cf74c99f21d0ec8fc9a1b0c5529934c7e6dd5ae
=> => exporting manifest list sha256:db2bb69811b3453bb4ed1a104c520c6d64b58a362ea68d9e08fa7984193f2ad7
=> => naming to docker.io/library/my-node-app:latest
=> => exporting manifest list sha256:db2bb69811b3453bb4ed1a104c520c6d64b58a362ea68d9e08fa7984193f2ad7
=> => naming to docker.io/library/my-node-app:latest
=> => unpacking to docker.io/library/my-node-app:latest
```

```
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>
```