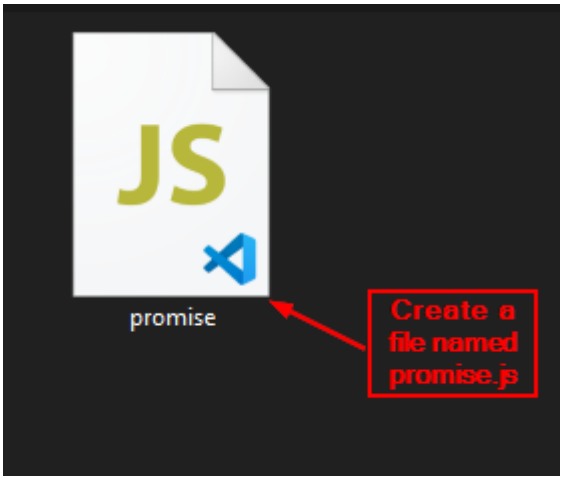
Module 2: Hands-On – 2

Using a Promise with setTimeout

Step 1: Create a file named callback.js



Step 2: Open it in any text editor

Step 3: Type the following code:

```
function timer(time) {
    return new Promise((resolve, reject) => {
        setTimeout(() => {resolve(time)}, time)
    });
}

timer(2000).then(x => console.log(`Done after ${x}ms`));
```

Step 3.1: Create a function named **timer** that takes time in milliseconds and returns a new **promise** that calls the resolve method after a specified time

```
function timer(time) {
    return new Promise((resolve, reject) => {
        setTimeout(() => {resolve(time)}, time)
    });
}

timer(2000).then(x => console.log(`Done after ${x}ms`));
```

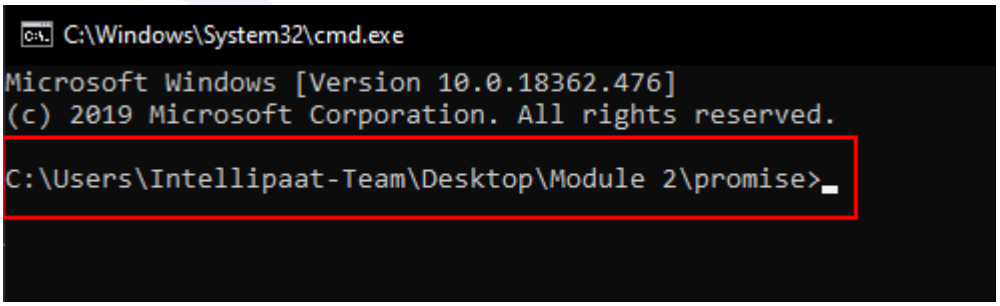
Step 3.2: Call the timer function with 2000 ms as its argument

```
function timer(time) {
    return new Promise((resolve, reject) => {
        setTimeout(() => {resolve(time)}, time)
    });
}

timer(2000).then(x => console.log(`Done after ${x}ms`));
```

Step 3.3: Pass in a function in the .then method of the returned promise which takes time taken is passed as argument and is logged to the console

```
function timer(time) {
    return new Promise((resolve, reject) => {
        setTimeout(() => {resolve(time)}, time)
    });
}

timer(2000).then(x => console.log(`Done after ${x}ms`));
```

Step 4: Open the command prompt in the same directory as the file



Step 5: Run the file using the command 'node promise.js'