# Lesson 05 Demo 04

# Working with Promises

**Objective:** To implement promises

**Tools required:** Visual Studio Code

**Prerequisites:** NA

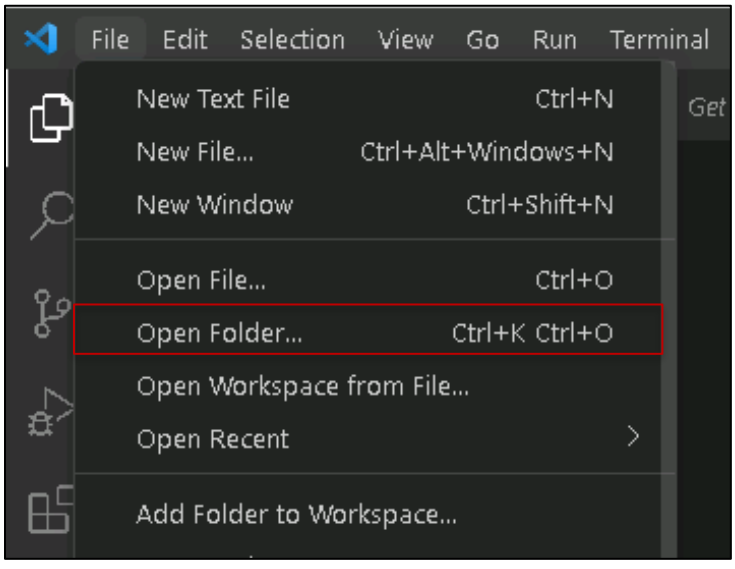
Steps to be followed:

1. Writing a JavaScript program for promises
2. Executing the program and verifying the working of promises

## Step 1: Implementing a JavaScript program for promises with async

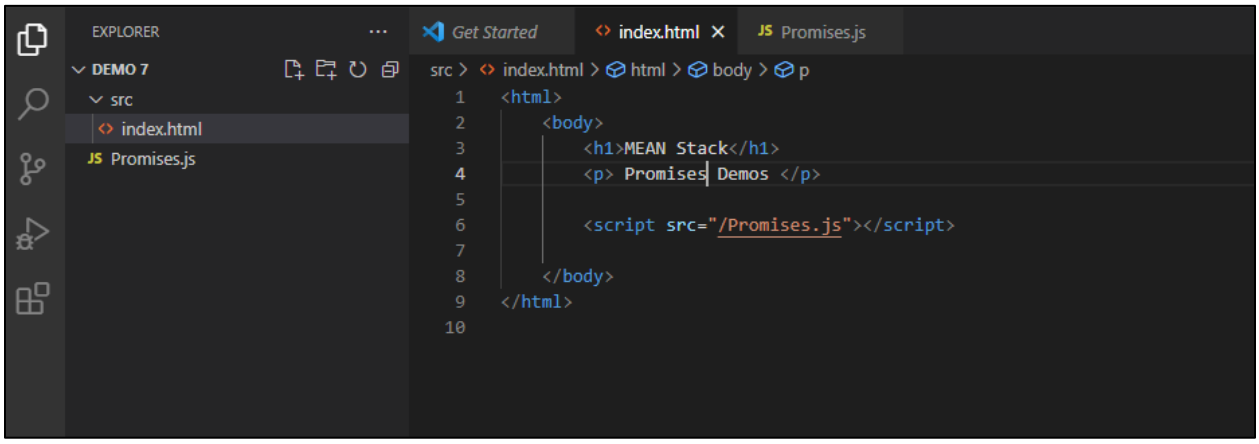
**Note:** Create a folder named **src** folder for the project.

1.1 Open Visual Studio Code and Right click on the **File** menu of the code editor and select ***Open Folder*** option*:*



1.2 Right click on the **src** folder of the project and select ***New File*** and enter the filename as **index.html** and write the code shown below in the **index.html**:

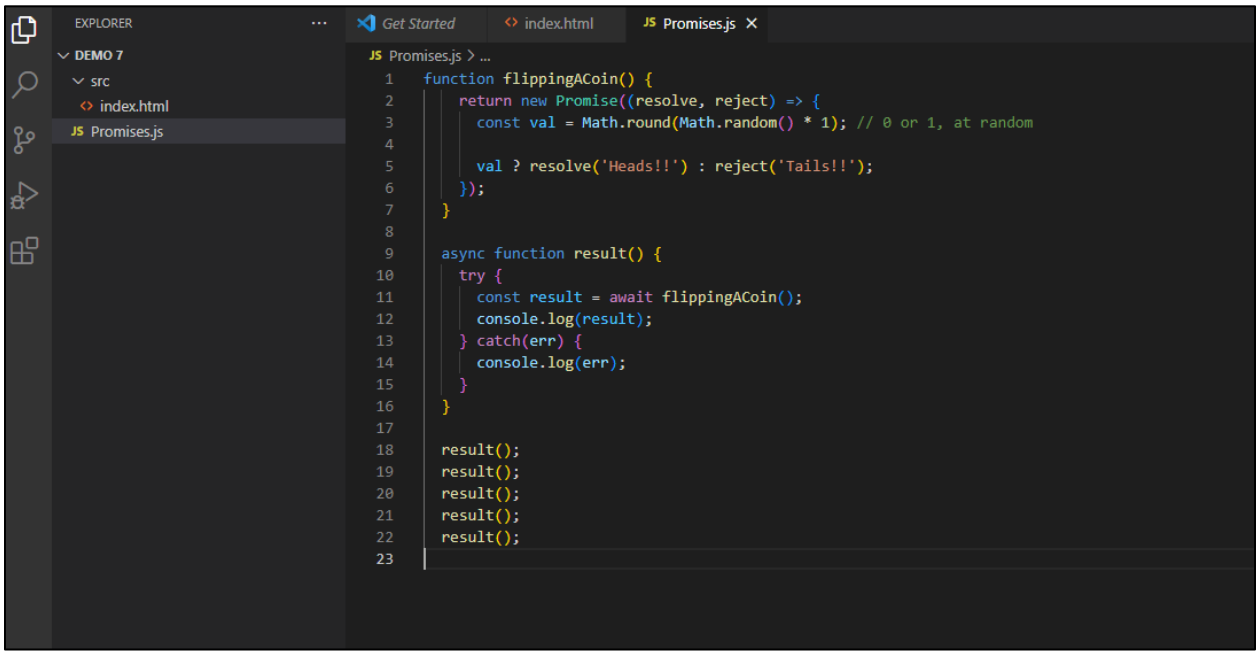
```
<html>
  <body>
    <h1>MEAN Stack</h1>
    <p> Promises  Demos </p>
    <script src="Promises.js"></script>
  </body>
</html>
```




1.4 Right click on the **src** folder of the project and select ***New File*** and enter the filename as **Promises.js** and write the code shown below:

```
function flippingACoin() {
  return new Promise((resolve, reject) => {
    const val = Math.round(Math.random() * 1); // 0 or 1, at random

    val ? resolve('Heads!!') : reject('Tails!!');
  });
}

async function result() {
  try {
    const result = await flippingACoin();
    console.log(result);
  } catch(err) {
    console.log(err);
```

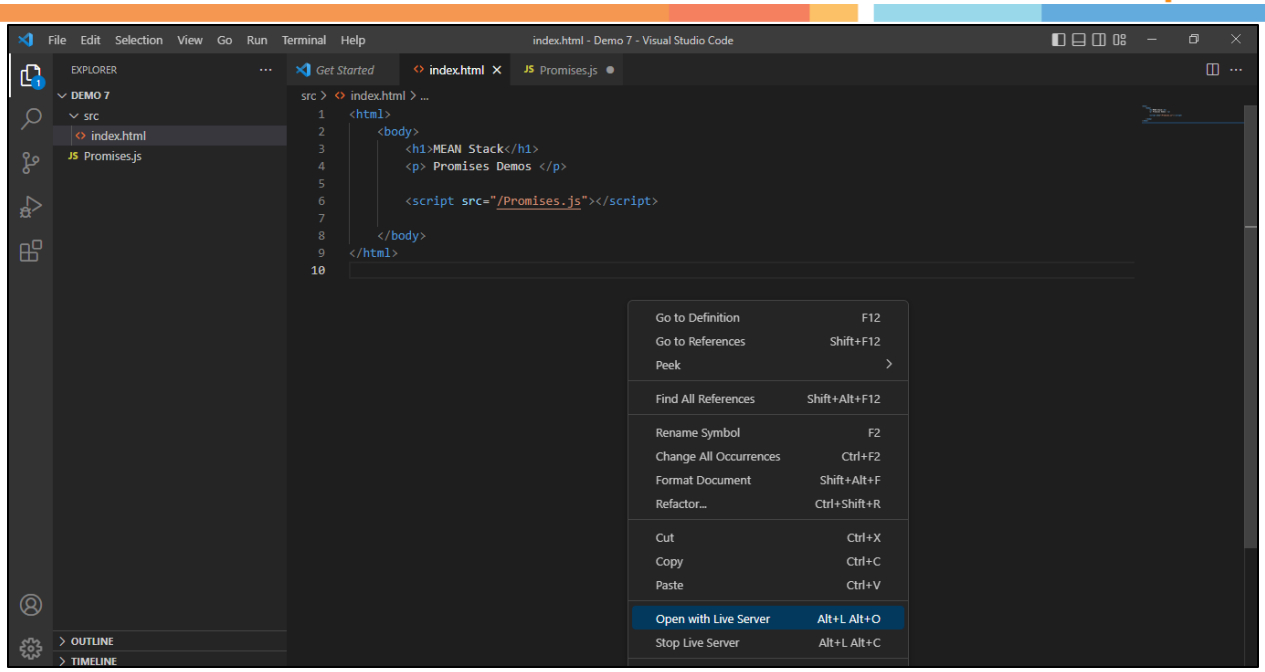
```
  }
}

result();
result();
result();
result();
result();
```




1.5 Save the files.

## Step 2: Executing the program and verifying the working of promises:

2.1 Right click on the **index.html** file of the project and select ***Open with Live Server***




2.2 When the server starts running, right click and select ***Inspect Element option***. Click on ***Console*** tab.