Coding is practice... Practice your JavaScript Code, with help of following steps, which will give you a clear understanding about the basics of JavaScript.

Challenge 1: Accessing the HTML elements
Steps:
- Open VS code.
- Select New File in the opened folder…
- Save the file in the appropriate folder/ create the folder and save the file with extension. Example: index.html
- Copy and Add the below given html code in the file.

```html
<!DOCTYPE html>
<html>
  <head>
    <!--Title of the document-->
    <title>Intro to JS</title>
  </head>
  <body>
    <!--Pragraphs with ID's-->
    <p id="intro">Introduction to JavaScripts</p>
    <p id="p1"></p>
    <!--Included with the link of external script file-->
    <script src="script.js"></script>
  </body>
</html>
```
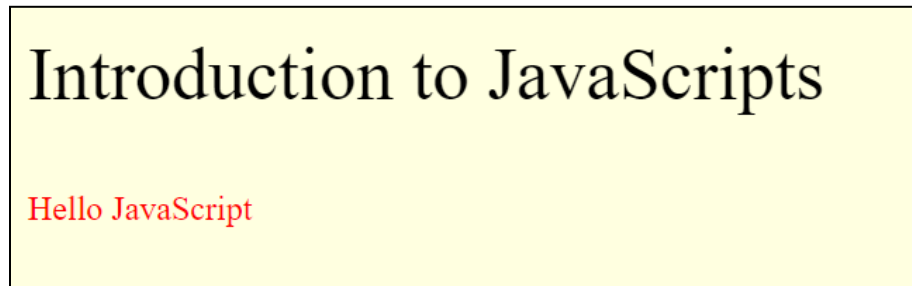
- Select New File in the same folder.
- Save the file in the with js extension. Example: script.js → the file name mentioned in the html code. If you name the file with another name remember to include the same file name in the HTML code.
- Copy the following code and paste it in the script file.

```javascript
// accessing the second paragraph and adding text to the paragraph
document.getElementById("p1").innerHTML = "Hello JavaScript";
// accessing the second paragraph and adding text color to it
document.getElementById('p1').style.color='red';
// accessing the first paragraph and modifying the font size of it
document.getElementById('intro').style.fontSize='35px';
// accessing the whole body elements of the HTML and adding the
background color to it
document.body.style.backgroundColor  = "lightyellow";
```

- Preview the output and validate.

- Sample output:

> ## Introduction to JavaScripts
>
> Hello JavaScript

Challenge 2:

With you new gained knowledge in JavaScript, create a web page with help of following hints:

- HTML: Elements with unique id and no content.
- CSS: no styles.
- JS:
  - Access the HTML elements by using the **getElementById()** method and add content to the elements.
  - Add basic styles to the element either by using **getElementById()** method or by accessing the HTML **body** element.

Sample code:

```html
<!DOCTYPE html>
<html>
  <head>
    <!--Title of the document-->
    <title>JavaScript</title>
  </head>
  <body>
    <!--Pragraphs with ID's-->
    <p id="heading"></p>
    <p id="p1"></p>
    <p id="p2"></p>
    <p id="p3"></p>
  </body>
</html>
```
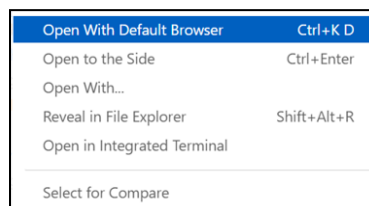
- Select New File in the same folder.
- Save the file in the with js extension.

> script.js

- Link the external javascript file in the HTML code either inside the **<head> or <body>** tag. Remember, do not include the script file inside the paragraphs or heading or div elements.

```
<script src="script.js"></script>
```

- Add scripts in script.js.

```
// accessing the whole body elements of the HTML and adding the
background color to it
document.body.style.backgroundColor  = "lightyellow";
// accessing the first paragraph and adding text to the paragraph
document.getElementById("heading").innerHTML = "JavaScript";
// accessing the first paragraph and modifying the font size of it
document.getElementById('heading').style.fontSize='35px';
// accessing the second paragraph and adding text to the paragraph
document.getElementById("p1").innerHTML = "JavaScript is a
powerful, flexible, and fast programming language.";
// accessing the third paragraph and adding text to the paragraph
document.getElementById("p2").innerHTML = "JavaScript powers the
dynamic behavior on websites.";
// accessing the fourth paragraph and adding text to the paragraph
document.getElementById("p3").innerHTML = "JavaScript remains at
the core of web development.";
// accessing the second paragraph and adding text color to it
document.getElementById('p1').style.color='red';
// accessing the third paragraph and adding text color to it
document.getElementById('p2').style.color='blue';
// accessing the fourth paragraph and adding text color to it
document.getElementById('p3').style.color='green';
```

- View the file in the browser, by right click on the HTML file name in the left pane.

Open With Default Browser	**Ctrl+K D**
Open to the Side	Ctrl+Enter
Open With...	
Reveal in File Explorer	Shift+Alt+R
Open in Integrated Terminal	
Select for Compare	

● **Sample Output:**

JavaScript

JavaScript is a powerful, flexible, and fast programming language.

JavaScript powers the dynamic behavior on websites.

JavaScript remains at the core of web development.