**JavaScript Introduction**

Q1: What is JavaScript? Explain the role of JavaScript in web development.

Ans: - JavaScript is a scripting or programming language. This is a lightweight, interpreted programming language primarily used to add dynamic and implement complex features on web pages.

Q2: How is JavaScript different from other programming languages like Python or Java?

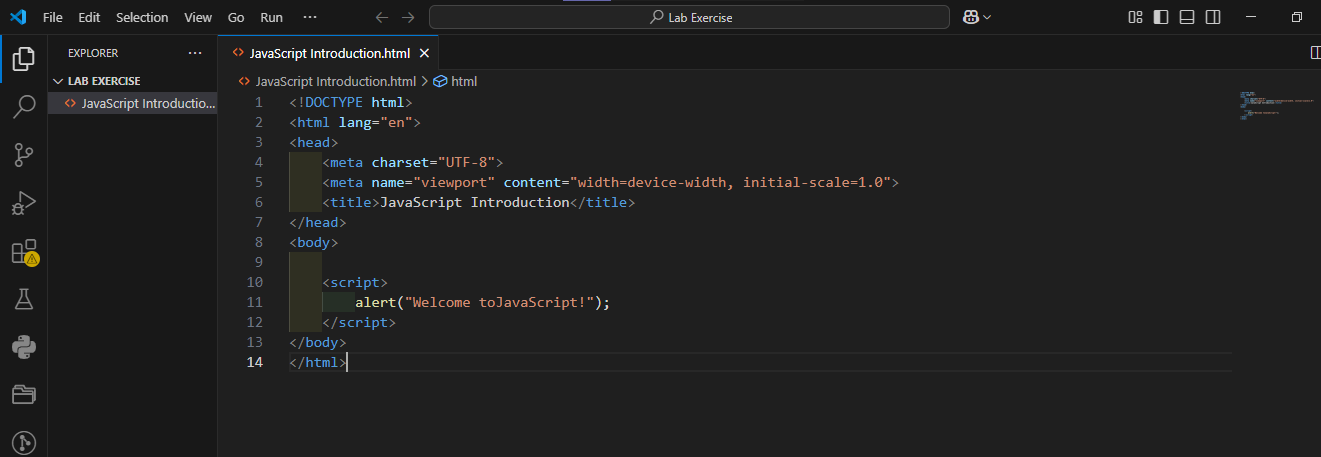
Ans: - JavaScript is primarily used for client-side web development, while Python versatility, especially in data science, data mining and backend development, Java is a compiled language, run it through a compiler, and create bytecode.

Q3: Discuss the use of <script> tag in HTML. How can you link an external JavaScript file to an HTML document?

Ans: - I use the src attributewithin the <script> tag in the HTML file to specify the source file. The external JavaScript file is then linked to the HTML document, and the execution of its code.

**Lab Tasks**

* Create a simple HTML page and add a <script> tag within the page.
* Write JavaScript code to display an alert box with the message "Welcome toJavaScript!" when the page loads.

Code:

Output: