<p style="text-align:center">Assignment 07:</p>

Title: Using Functions in JavaScript

Objective: To understand and implement JavaScript built-in functions by displaying and interacting with alert, confirm, and prompt dialog boxes.

Tasks: Create a simple webpage that uses JavaScript to:

- Display an alert box with a welcome message.
- Show a confirm box asking the user for a decision and handle the response.
- Display a prompt box to collect user input and show the entered value on the page.

Software Required:

1. Notepad (or any text editor)
2. Any web browser (Google Chrome / Edge / Firefox)

Procedure:

Step 1: Open Notepad (or any text editor).

Step 2: Create a new file.

Step 3: Save the file as

  File Name: assignment7.html

  Save as type: All Files

  Encoding: UTF-8

  Location: Desktop or your project folder

Step 4: Type the HTML program using

Concept	Tags / Syntax Introduced
Script Tag	*<script type="text/JavaScript">*
Creating Function	*function Hello(){ alert("Hello, World"); }*
Alert Box	*alert("Hello, World");*
Confirm Box	*confirm("Are you sure?");*
Prompt Box	*prompt("Enter your name");*
Creating Button	*<input type="button">*
Event Handler	*onclick="Hello();"*

Concept	Tags / Syntax Introduced
Accessing Elements	*document.getElementById("id").innerHTML*
External Script	*<script src="script.js" type="text/JavaScript"></script>*
Changing CSS	*document.body.style.backgroundColor = "blue";*

Step 5: Run assignment7.html in any web browser

Note: Use comments (<!-- -->) in your code to label each question clearly.

Example: <!-- Question 1: Inline CSS-->

Question 1: Create alert box game using Internal Script

Example:

```
<!DOCTYPE html>
<html>
      <head>
            <title>JavaScript Internal Script</title>
            <script type="text/JavaScript">
            function Hello(){
                        alert("Hello, World");
                        }
            </script>
      </head>
      <body>
            <input type="button" onclick="Hello();" name="ok" value="Click Me" />
      </body>
</html>
```

Student Activity:

Create three buttons representing the colors Blue, Black and Red. Whenever the button for that color pressed the alert box for that respective color displayed.

Question 2: Create alert box game using external script

Example:

Script.js

```
      function Hello()

            { alert("Hello, World"); }
```

Web.html
```
<!DOCTYPE html>
<html>
      <head>
            <title>JavaScript Internal Script</title>

            <script src="/html/script.js" type="text/JavaScript"/></script>
      </head>
      <body>
```

```
            <input type="button" onclick="Hello();" name="ok" value="Click Me" />
        </body>
</html>
```

Student Activity:

Create a game console presenting Up, Down, Left, Right and Enter buttons. Whenever the button for that action or direction pressed the alert box for that respective action or direction displayed.

Question 3: Display personal information using JavaScript

Example: Display "Hello World!"

```
<!DOCTYPE html>
<html>
        <body>
                <p id="demo"></p>

                <script>
                document.getElementById("demo").innerHTML = "Hello World!";
                </script>
        </body>
</html>
```

Student Activity:

Display your Name, Class, Collage Name, Name of your best friend, and Favorite Subject using javascript like given below as table

Name:	Ajikya Rahane
Class:	BBA 2025
Collage Name	Adhalrao Patil Institute of Management and Research, Landewadi
Name of your best friend:	Virat Kohli
Favorite Subject:	HTML and Webpage designing

Question 4: Change background color using JavaScript

Example: Change background color to Yellow

```
<!DOCTYPE html>
<html>
<body>
        <input type="button" value="Yellow" onclick="changeColor()">
        <script>
                function changeColor()
                {
                    document.body.style.backgroundColor = "yellow";
                }
        </script>
</body>
</html>
```

Student Activity:

Create three buttons Green, Pink and Blue. When any button is clicked, the background color of the webpage should change to the respective color using JavaScript.

Question 5: Simple calculator using JavaScript

Example: Add two numbers and display result.

```html
<!DOCTYPE html>
<html>
     <body>
          Enter First Number: <input type="text" id="n1"><br><br>
          Enter Second Number: <input type="text" id="n2"><br><br>
          <input type="button" value="Add" onclick="add()">
          <p id="result"></p>

          <script>
               function add()
               {
                   var a = parseInt(document.getElementById("n1").value);
                   var b = parseInt(document.getElementById("n2").value);
                   document.getElementById("result").innerHTML = "Result = " + (a + b);
               }
          </script>
     </body>
</html>
```

Student Activity:
Create a calculator to perform **Addition, Subtraction, Multiplication and Division** using JavaScript.

Conclusion: Successfully created a basic webpage using JavaScript functions and dialog boxes such as alert, confirm, and prompt with interactive buttons and calculator functionality.