**Lab 4**

**Theory**

JavaScript (JS) is the most popular lightweight, interpreted compiled programming language. It can be used for both Client-side as well as Server-side developments. It is also known as a scripting language for web pages. This free JavaScript Tutorial is designed to help both beginners and experienced professionals master the fundamentals of JavaScript and unleash their creativity to build powerful web applications. From basic syntax and data types to advanced topics such as object-oriented programming and DOM manipulation. JavaScript is a scripting language that can run on web browsers and servers. It can manipulate web pages, interact with users, communicate with databases, and perform various tasks. JavaScript is based on objects and supports dynamic typing, control structures, functions, and operators. JavaScript is not related to Java, but it can work well with other technologies such as HTML and CSS.

**Task 1:**

**Develop a simple website that checks the validity of the user login. Assume that the data is already in the database. Use Client Site script to check the empty values during login.**

**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Document</title>

</head>

<body>

<form action="formsubmit.php" onsubmit="return formvalidation()">

<label for="username">Username:</label>

<input type="text" id="username" /><br /><br />

<label for="password">password:</label>

<input type="password" id="password" /><br /><br />

<input type="submit" />

</form>

</body>

<script>

function formvalidation() {

var username = document.getElementById("username").value;

var password = document.getElementById("password").value;

if (username == "" && password == "") {

alert("Please enter the data");

return false;

}

return true;

}

</script>

</html>

**Output**

