Assignment 09:

Title: Carryout Validation using JavaScript

Objective: Create a registration form and validate the user inputs using JavaScript.

Tasks: To write JavaScript code to validate a registration form by checking:

- Empty fields
- Valid email format
- Password length

Software Required:

- Notepad (or any text editor)
- Any web browser (Google Chrome / Edge / Firefox)

Procedure:

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

Step 2: Create new file.

Step 3: Save the file as

- File Name: assignment9.html
- Save as type: All Files
- Encoding: UTF-8
- Location: Desktop or your project folder

Step 4: Type the HTML program using

Concept	Tags Introduced
Script Tag	*<script type="text/JavaScript">*
Creating Function	*function validate(){}*
Form Tag	*<form>*
Text Box	*<input type="text">*
Password Box	*<input type="password">*
Submit Button	*<input type="submit">*
Email Validation	*indexOf("@")*
Length Property	*password.length*
Alert Box	*alert("message");*

Step 5: Run assignment9.html in any web browser

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

Example: <!-- Question 1-->

Question 1: Registration Form Validation

Student Activity: Create a registration form that validates the following using JavaScript:

- Name field should not be empty
- Email should contain @ and .
- Password length should be at least 6 characters

Question 2: Email Validation using JavaScript

Student Activity: Create a JavaScript function that checks whether the entered email is valid and displays an alert message accordingly.

Question 3: Password Length Validation

Student Activity: Create a JavaScript function to check that the password entered by the user is at least 6 characters long.

Question 4: Empty Field Validation

Student Activity: Create a JavaScript function that checks whether any field in the form is empty and displays a warning message.

Output:

Conclusion:

Successfully created and validated a registration form using JavaScript by checking for empty fields, verifying correct email format, and ensuring minimum password length. This assignment helped in understanding form handling, input validation techniques, and the use of JavaScript functions to improve user interaction and data accuracy.