Experiment -1

Aim: Student Registration Form with HTML5 Validation

Objective: Design and implement a basic student registration form that collects user information and validates inputs using HTML5 features.

Code:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Student Registration Form</title>

<style> body {

font-family: Arial, sans-serif; background-color: #f2f2f2; padding: 40px;

}

.form-container {

background-color: #fff; padding: 25px 30px; border-radius: 8px; max-width: 400px;

margin: auto;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

h2 {

text-align: center; margin-bottom: 20px;

}

label {

display: block; margin-bottom: 6px; font-weight: bold;

}

input[type="text"], input[type="email"], input[type="number"] { width: 100%;

padding: 10px; margin-bottom: 15px;

border: 1px solid #ccc; border-radius: 4px;

}

input[type="submit"] { width: 100%;

background-color: #4CAF50; color: white;

padding: 10px; border: none; border-radius: 4px; font-size: 16px; cursor: pointer;

}

input[type="submit"]:hover { background-color: #45a049;

}

.note {

font-size: 12px; color: #666;

text-align: center; margin-top: 10px;

}

</style>

</head>

<body>

<div class="form-container">

<h2>Student Registration</h2>

<form action="#" method="post"

<label for="name">Name</label>

<input type="text" id="name" name="name" placeholder="Enter your full name" required>

<label for="email">Email</label>

<input type="email" id="email" name="email" placeholder="[example@domain.com"](mailto:example@domain.com) required>

<label for="age">Age</label>

<input type="number" id="age" name="age" min="10" max="100" placeholder="Enter your age" required>

<input type="submit" value="Register">

</form>

<div class="note">All fields are required.</div>

</div>

</body>

</html>

Output:

