

Assignment No 07:

Use regular expressions in JavaScript to validate the email address entered in the form. It should check for the correct format of the email and display a message to the user if the format is incorrect.

Code: -

1. HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<title>Email Validation</title>
<body>
<form id="emailForm">
<label for="email">Email:</label>
<input type="text" id="email" name="email">
<button type="submit">Submit</button>
</form>
<p id="message"></p>
<script src="script.js"></script>
</body>
</html>
```

2.JS: -

```
document.getElementById('emailForm').addEventListener('submit', function(event) { event.preventDefault();
const emailInput = document.getElementById('email').value;
const message = document.getElementById('message');
/ Regular expression for validating email address /
const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
if (emailPattern.test(emailInput)) {
message.textContent = 'Valid email address.';
message.style.color = 'green';
} else {
message.textContent = 'Invalid email address format.';
message.style.color = 'red';
}};
```

Output: -

Email:

Valid email address.

Email:

Invalid email address format.