

Practical 6A:

Using Javascript, Design a web page to accept a number from the user and print it's factorial

```
<!DOCTYPE html>

<html>

<head>

  <title>Factorial Calculator</title>

  <script>

function calculateFactorial() {

  let number = parseInt(document.getElementById("number").value);

  let result = 1;

if(isNaN(number) || number < 0) {

  document.getElementById("output").innerHTML = "Please enter a valid non-negative integer.";

  return;

}

for(let i = 1; i <=number; i++) {

  result *= i;

}

document.getElementById("output").innerHTML = "Factorial of" + number + "is:" + result;

}

</script>

</head>

<body>

  <h1>Factorial Calculator</h1>

  <!-- Input field for the user to enter a number -->

  <label for="number">Enter a number:</label>

  <input type="number" id="number" min="0">

  <!-- Button to trigger the factorial calculation -->

  <button onclick="calculateFactorial()">Calculate Factorial</button>

  <!-- Output the result here -->
```

```
<p id="output"></p>
</body>
</html>
```

OUTPUT:



Factorial Calculator

Enter a number:

Factorial of 5 is: 120

