**Program-12**

<!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>

<script>

function factorial(x) {

if (x == 0) {

return 1;

}

else {

return x \* factorial(x - 1);

}

}

const num = prompt('Enter a positive number: ');

if (num >= 0) {

const result = factorial(num);

document.write(`<h1><center>The factorial of ${num} is ${result}

</h1></center>`);

}

else {

alert("Enter a positive number");

}

</script>

</body>

</html>

**Output:**

A black box with white text

Description automatically generated

A white background with black text

Description automatically generated