

23/09/20

Pgm no: 6

# FACTORIAL

## Aim

To design a webpage that accepts a number from user and displays factorial using Javascript

## CODE

```
<html>
```

```
<body bgcolor = "#4682B4">
```

```
<marquee style = "color : blue">
```

```
<h2> WELCOME TO WORLD OF JAVASCRIPT </h2>
```

```
</marquee>
```

```
<form>
```

```
<table align = 'center'> <tr>
```

```
<caption> <h2> Factorial of a Number </h2>
```

```
</caption> </tr>
```

```
<tr> <td> <label for = "fact-text">
```

```
Enter a number : </label> </td>
```

```
</td>
```

```
<input type = 'text' id = 'fact-text'>
```

```
</td>
```

```
<td>  
<button onclick = 'factorial()'>  
<button> Find </button>
```

```
</td> </tr>
```

```
<tr> <td colspan = '3'>
```

```
<p id = 'ans' align = 'center'> </p>
```

```
</td> </tr> </table> </form>
```

```
<script type = 'text/javascript'>
```

```
function factorial()  
{
```

```
var x = document.getElementById ('factent').  
value;
```

```
var fact = 1;
```

```
if (x < 0)
```

```
document.getElementById ('ans').
```

```
innerHTML = 'Factorial doesn't exists';
```

```
else
```

```
for (var i = 1; i <= x; i++)
```

```
fact *= i;
```

```
document.getElementById ('ans').innerHTML =
```

```
"factorial of " + x + " = " + fact;
```

```
}
```

C:\script\

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## RESULT

The program was successfully executed.

## DESIGN

WELCOME TO WORLD OF JAVASCRIPT

FACTORIAL OF A NUMBER

Enter Number

find