

Create an JavaScript Application For calculating number square table using external file.

Aim:-

To create an JavaScript application for calculating number square table using external file.

Algorithm:-

Step 1 : Start

Step 2 : First create an external file with function sgr() for calculating number square table and save it in the filename squarevalidation.js.

Step 3 : In the function sgr() declare a variable and use if conditions to check the numbers and square the valid number.

Step 4 : Design an webpage for squaring a number using html tags.

Step 5 : In this program we use "css" to make the page more attractive.

Step 6 : we can include css by <style type = "text/css">

Step 7 : Now, include the external file into the square calculation file. <script type = "text/javascript" src = "squarevalidation.js">

Step 8 : Open the form and get value from user and close it

Step 9 : Stop.

Program :-

\* External file - "squarevalidation.js"

function sgrc()

{

var num = prompt("Enter the limit");

if (num != "" & num > 0)

{

document.write("<center><h2>NUMBER SQUARE TABLE </h2></center>");

for (var i=1; i<=num; i++)

{

document.writeln("<center><h3>" + i + " ^ 2 = " + (i\*i) + "</h3></center>");

}

3

else

{

alert("Enter any number");

return false;

g

g

program where external file is going to be imported.

\* square.html

<html>

<head>

<style type="text/css">

font

{

```
color : #EA10bB;  
text-transform : uppercase;  
font-size : 45px;  
text-decoration : underline;  
font-weight : bold;
```

}

div.a

{

```
line-height : 100px;
```

}

&lt;/style&gt;

&lt;script language = "javascript" type = "Text/javascript" src = "squarevalidation.js"&gt;

&lt;/script&gt;

&lt;/head&gt;

&lt;body bgcolor = "#B3F485"&gt;

&lt;center&gt;&lt;font&gt; SQUARE TABLE &lt;/font&gt;&lt;/center&gt;

&lt;form name = "fib"&gt;

&lt;h3&gt;&lt;center&gt;

&lt;div class = "a"&gt;

&lt;input type = "Button" value = "Generate number square table" onclick = "sqrc();"&gt;

&lt;/div&gt;

&lt;/center&gt;&lt;/h3&gt;

&lt;/form&gt;

&lt;/body&gt;

&lt;/html&gt;

### Result:-

Thus the program to create an javascript application for calculating number square table using external file has been executed successfully.

Output:-

## SQUARE TABLE

Generate number square table ✓

This page says  
Enter the limit

10

OK ✓

cancel

## NUMBER SQUARE TABLE

$$1^2 = 1$$

$$2^2 = 4$$

$$3^2 = 9$$

$$4^2 = 16$$

$$5^2 = 25$$

$$6^2 = 36$$

$$7^2 = 49$$

$$8^2 = 64$$

$$9^2 = 81$$

$$10^2 = 100$$