

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 `sqr()` for calculating number square table and save it in the filename `squarevalidation.js`.

Step 3 : In the function `sqr()` 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 sqr()
```

```
{
```

```
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>");
```

```
}
```

```
}
```

```
else
```

```
{
```

```
alert("Enter any number");
```

```
return false;
```

```
}
```

```
}
```

program where external file is going to be imported.

* square.html

```
<html>
```

```
<head>
```

```
<style type = "text/css">
```

```
font
```


{

color : #EA106B;

text-transform : uppercase;

font-size : 45px;

text-decoration : underline;

font-weight : bold;

}

div.a

{

line-height : 100px;

}

</style>

<script language = "javascript" type = "Text/javascript" src = "squarevalidation.js">

</script>

</head>

<body bgcolor = "#B3F485">

<center> SQUARE TABLE </center>

<form name = "fib">

<h3><center>

<div class = "a">

<input type = "Button" value = "Generate number square table" onclick = "sqrc();">

</div>

</center></h3>

</form>

</body>

</html>

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

$$1^2 = 1$$

$$2^2 = 4$$

$$3^2 = 9$$

$$4^2 = 16$$

$$5^2 = 25$$

$$6^2 = 36$$

$$7^2 = 49$$

$$8^2 = 64$$

$$9^2 = 81$$

$$10^2 = 100$$