**Web Technology Applications**

Assignment-2

1. : Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format.

<!DOCTYPE html>

<html>

<head>

<title>Squares and Cubes</title>

</head>

<body>

<table border="1" align="center">

<tr>

<td>Number</td>

<td>SQUARE</td>

<td>CUBES</td>

</tr>

<script type="text/javascript">

for(var i=0;i<=10;i++)

{

document.write("<tr align='center'><td>" + i + "</td><td>" + i\*i

+"</td><td>" + i\*i\*i + "</td></tr>")

}

</script>

</table>

</body>

</html>

Output:

Graphical user interface, application, table

Description automatically generated

CHALLENGE:

<!DOCTYPE html>

<html>

<head>

<style>

table, td, th

{

border:3px solid black;

width:30%;

text-align: center;

background-color:lightblue;

border-collapse:collapse;

}

JavaBlink

{

margin-bottom: 20px;

text-align: center;

font-size: 42;

width: 1500px;

color: darkblue;

}

</style>

<title>Squares and Cubes</title>

</head>

<body>

<table border="1" align="center">

<tr height="40px">

<td colspan="3" ><h3>Numbers from 0 to 10 with their squares and cubes</h3></td>

</tr>

<tr>

<td>Number</td>

<td>SQUARE</td>

<td>CUBES</td>

</tr>

<script type="text/javascript">

for(var i=0;i<=10;i++)

{

document.write("<tr align='center'><td>" + i + "</td><td>" + i\*i

+"</td><td>" + i\*i\*i + "</td></tr>")

}

</script>

</table><SCRIPT type="text/javascript">

function JavaBlink() {

var blinks = document.getElementsByTagName('JavaBlink');

for (var i = blinks.length - 1; i >= 0; i--) {

var s = blinks[i];

s.style.visibility = (s.style.visibility === 'visible') ? 'hidden' : 'visible';

}

window.setTimeout(JavaBlink, 1000);

}

if (document.addEventListener) document.addEventListener("DOMContentLoaded", JavaBlink, false);

else if (window.addEventListener) window.addEventListener("load", JavaBlink, false);

else if (window.attachEvent) window.attachEvent("onload", JavaBlink);

else window.onload = JavaBlink;

</SCRIPT>

<JavaBlink><h2>Assignment-2 challange completed<h2></JavaBlink>

</body>

</html>

OUTPUT:

Table

Description automatically generated

TEST CASES:

|  |  |  |
| --- | --- | --- |
| **Text**  **no.** | **Input Parameters** | **Output image** |
| 1. | i=0 to 10, increment of i+1 | Table  Description automatically generated |
| 2. | i=10 to 100, increment of i+10 | Graphical user interface, table  Description automatically generated |
| 3. | i=100 to 1000, increment of i+100 | Graphical user interface, table  Description automatically generated |