1. JavaScript code to show some examples of mathematical operation

<html>

<head>

<title>maths operation</title>

</head>

<script>

var x = 50,

y = 10;

var z;

document.write("x=");

document.write(x);

document.write("y=");

document.write(y);

document.write("<br> x+y=");

z = x + y;

document.write(z);

document.write("<br> x-y=");

z = x - y;

document.write(z);

document.write("<br> x\*y=");

z = x \* y;

document.write(z);

document.write("<br> x/y=");

z = x / y;

document.write(z);

</script>

<body>

</body>

</html>

2. Demonstrate Math object properties and methods

<html>

<head>

<title>math object</title>

</head>

<script>

document.write("Math.e=" + Math.E);

document.write("<br>Math.pi=" + Math.PI);

document.write("<br>Math.round=" + Math.round(2.6));

document.write("<br>Math.floor=" + Math.floor(2.6));

document.write("<br>Math.max=" + Math.max(100, 200));

</script>

<body>

</body>

</html>

3.Demonstrate the date object methods

<html>

<head>

<title>Date object</title>

</head>

<script>

var dateObj = new Date();

document.write("currentdate:" + dateObj.toString());

document.write("<br>getseconds:" + dateObj.getSeconds());

document.write("<br>getminutes:" + dateObj.getMinutes());

document.write("<br>getHours:" + dateObj.getHours());

document.write("<br>getDate:" + dateObj.getDate());

document.write("<br>getDay:" + dateObj.getDay());

document.write("<br>getHours:" + dateObj.getMonth());

document.write("<br>getfullyear:" + dateObj.getFullYear());

document.write("<br>getTime:" + dateObj.getTime());

</script>

<body>

</body>

</html>

4. Demonstrate HTML nested list of various types.

<html>

<head>

<title>Document</title>

</head>

<body>

<ul>

<li>you need to send the following personal details</li>

<ol>

<li>your name</li>

<li>Your date of birth</li>

<li>your content information</li>

</ol>

</ul>

<ul>

<li>you need to send the following professional details</li>

<ol>

<li>your present working company</li>

<li>your experience</li>

<ol type="a">

<li>technical experience</li>

<li>non-technical experience</li>

</ol>

<li>your manager name</li>

</ol>

</ul>

</body>

</html>

5. write a html program to demonstrate how to create a table by

using table section and cell padding

<html>

<head>

<title>table</title>

</head>

<body>

<table border="1" cellpadding="2">

<tr>

<th>S.no</th>

<th>Subject</th>

<th>Marks</th>

</tr>

<tr>

<td>1</td>

<td>System programming</td>

<td>80</td>

</tr>

<tr>

<td>2</td>

<td>computer programming</td>

<td>80</td>

</tr>

<tr>

<td>3</td>

<td>computer graphic</td>

<td>80</td>

</tr>

<tr>

<td>4</td>

<td>Network security</td>

<td>80</td>

</tr>

<tr>

<td colspan="2" align="right">total</td>

<td>320</td>

</tr>

</table>

</body>

</html>

6. Demonstrate html program to create complete form using input controls

<html>

<head>

<title></title>

</head>

<body>

<form>

student Name:<input type="text"><br> password: <input type="password"><br><br> permanent address: <textarea name="address" id="email" cols="30" rows="10"></textarea><br><br> Email id: <input type="text"><br><br> Gender: <input type="radio" name="gender">Female

<input type="radio" name="gender">Male<br><br> Age: <input type="radio" name="age">under 24

<input type="radio" name="age">25 to 34<br><br>

<label>select course:</label>

<select id="course">

<option value="BCA">BCA</option>

<option value="BCOM">BCOM</option>

<option value="BSC">BSC</option>

<option value="BBA">BBA</option>

</select><br><br>

<label>select college:</label>

<select id="college">

<option value="Dayanada sagar">Dayanada sagar</option>

<option value="PES">PES</option>

<option value="surana college">surana college</option>

<option value="Garden college">Garden college</option>

</select><br><br>

<input type="button" value="submit form">&nbsp&nbsp

<input type="reset" value="clear form">

</form>

</body>

</html>

7. Demonstrate a javascript program that we have used different variables to show the

use of type of operator.

<html>

<head>

<script>

var var1 = 120;

var var2 = true;

var var3 = new Date();

var var4 = "monkey";

var var6;

document.write("The type of var1=" + typeof(var1));

document.write("<br>The type of var2=" + typeof(var2));

document.write("<br>The type of var3=" + typeof(var3));

document.write("<br>The type of var4=" + typeof(var4));

document.write("<br>The type of var5=" + typeof(var5));

</script>

</head>

</html>

8. write a Js to calculate the percentage of student using conditional statement

<html>

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>marks</title>

<script>

while (true) {

var grade = (eval(prompt("what was your percentage?", "")));

if (grade < 0 || grade > 100) {

alert("ilegal choice");

}

if (grade >= 60 && grade <= 100)

alert("first class");

else if (grade >= 50 && grade <= 60)

alert("second class");

else if (grade >= 35 && grade <= 50)

alert("just pass class");

else

alert("failed");

answer = prompt("Do you want to enter another marks?", "");

if (answer != "yes") {

break;

}

}

</script>

</head>

</html>

9. Write Js program to create 3 radio buttons when we click it should display the

message using alert.

<html>

<head>

<title>Document</title>

<script>

function displayprice(travel) {

if (travel == 1)

alert("the train fair is: 500");

else if (travel == 2)

alert("the bus fair is: 800");

else if (travel == 3)

alert("the bus fair is: 1200");

}

</script>

</head>

<body>

<form>

<input type="radio" name="travel" onclick="displayprice(1)">Train

<input type="radio" name="travel" onclick="displayprice(2)">Bus

<input type="radio" name="travel" onclick="displayprice(3)">Flight

</form>

</body>

</html>

10. create HTML and JavaScript separate file and Demonstrate a program to calculate

the Quadratic equation.

HTML code

<html lang="en">

<head>

<title>Quadratic equation</title>

</head>

<body>

<script type="text/javascript" src="route.js"></script>

</body>

</html>

JavaScript Code

var a = prompt("what is the value of 'a'?", "");

var b = prompt("what is the value of 'b'?", "");

var c = prompt("what is the value of 'c'?", "");

var route\_part = Math.sqrt(b \* b - 4.0 \* a \* c);

var denom = 2.0 \* a;

var root1 = (-b + route\_part) / denom;

var root2 = (-b - route\_part) / denom;

document.write("the first solution is", +root1);

document.write("<br>the second solution is", +root2);