PROGRAM:

5)

<!DOCTYPE html>

<html>

<body>

<button onclick="this.innerHTML=Date()">click to display date and time</button>

</body>

</html>

6)

<!DOCTYPE html>

<html>

<body>

<h2>The \* Operator</h2>

<p id="demo"></p>

<script>

var x = 10;

var y = 28;

var z = x \* y;

document.getElementById("demo").innerHTML = z;

</script>

</body>

</html>

7) <!DOCTYPE html>

<html>

<body>

<h2>JavaScript while</h2>

<p id="demo"></p>

<script>

var text = "";

var i = 1;

while (i <= 20) {

text += "<br>the current value" + i;

i++;

}

document.getElementById("demo").innerHTML = text;

</script>

</body>

</html>

8)

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Loops</h2>

<p id="demo"></p>

<script>

var a = [1,2,3,4,5];

var text = "";

var i;

for (i = 0; i<a.length; i++) {

text += a[i] + "<br>";

}

document.getElementById("demo").innerHTML = text;

</script>

</body>

</html>

9)

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Arrays</h2>

<p id="demo"></p>

<script>

var bikes = [“orange" ”apple", "banana","grapes"];

document.getElementById("demo").innerHTML = fruits;

</script>

</body>

</html>

10)

<!DOCTYPE html>

<html>

<body>

<p id="demo">Click for alert box.</p>

<button onclick="myFunction()">click</button>

<script>

function myFunction() {

alert("mayday mayday mayday!!! this is first officer");

}

</script>

</body>

</html>

11)

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Prompt</h2>

<button onclick="myFunction()">click</button>

<p id="demo"></p>

<script>

function myFunction() {

   var text;

   var person = prompt("Please enter your name:", "");

   if (person == null || person == "") {

       text = "Please enter your name";

   } else {

       text = "hey there " + person + "! How are you doing mate?";

   }

document.getElementById("demo").innerHTML = text;

}

</script>

</body>

</html>

12)

<!DOCTYPE html>

<html>

<head>

<script>

function startTime() {

   var today = new Date();

   var h = today.getHours();

   var m = today.getMinutes();

   var s = today.getSeconds();

   m = checkTime(m);

   s = checkTime(s);

document.getElementById('txt').innerHTML = today

   h + ":" + m + ":" + s;

   var t = setTimeout(startTime, 500);

}

function checkTime(i) {

   if (i < 10) {i = "0" + i};  // add zero in front of numbers < 10

   return i;

}

</script>

</head>

<body onload="startTime()">

<div id="txt"></div>

</body>

</html>

13)  
<!DOCTYPE html>

<html>

<body>

<p>enter the number</p>

<input id="numb">

<button type="button" onclick="myFunction()">Submit</button>

<p id="demo"></p>

<script>

function myFunction() {

   var x, text;

   x = document.getElementById("numb").value;

   if (isNaN(x)) {

       text = "Input not valid";

   } else {

       text = "Input OK";

   }

document.getElementById("demo").innerHTML = text;

}

</script>

</body>

</html>

14)  
<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Email Validation</h2>

<input id="textEmail">

<button type="button" onclick="myFunction()">Submit</button>

<p id="demo"></p>

<script>

   function myFunction() {

       var email;

       email = document.getElementById("textEmail").value;

           var reg = /^([A-Za-z0-9\_\-\.])+\@([A-Za-z0-9\_\-\.])+\.([A-Za-z]{2,4})$/;

           if (reg.test(textEmail.value) == false)

           {

document.getElementById("demo").style.color = "red";

document.getElementById("demo").innerHTML ="Invalid EMail ->"+ email;

alert('Invalid Email Address ->'+email);

               return false;

           } else{

document.getElementById("demo").style.color = "DarkGreen";

document.getElementById("demo").innerHTML ="Valid Email ->"+email;

           }