1. Dynamic Javascript:

```html
<html>
<body>
<script type="text/javascript" >
function display()
{
var x=document.getElementById("names").value;
alert(x);


}
function showcommentform() {
var data="Name:<br><input type='text' id='names' name='names'><br>Comment:<br><textarea rows='5' cols='50'></textarea><br><input type='submit' value='comment' onclick='display()'>";


document.getElementById('mylocation').innerHTML=data;
 }


</script>
<form name="myForm">
<input type="button" value="comment" onclick="showcommentform()">
<div id="mylocation"></div>
</form>
</body>
</html>
```

2. Arrays sort

```html
<html>
<body>
<p>Click the button to sort the array in ascending order.</p>
```

```
<button onclick="myFunction()">Try it</button>

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

<script>

var points = [40, 100, 1, 5, 25, 10];

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

function myFunction() {

   points.sort(function(a, b){return a - b});//b-a descending

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

}

</script>

</body>

</html>
```

3.Confirm box

```
<!DOCTYPE html>

<html>

<body>


<h2>JavaScript Confirm Box</h2>



<button onclick="myFunction()">Try it</button>


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


<script>

function myFunction() {

 var txt;

 if (confirm("Press a button!")) {

   txt = "You pressed OK!";
```

```
  } else {
    txt = "You pressed Cancel!";
  }
  document.getElementById("demo").innerHTML = txt;
}
</script>


</body>
</html>
```

4.Compute Cube

```
<script type="text/javascript">
function getcube(){
var number=parseInt(document.getElementById("number").value);
alert(number*number*number);
}
</script>
<form>
Enter No:<input type="text" id="number" name="number"/><br/>
<input type="button" value="cube" onclick="getcube()"/>
</form>
```

5.While loop

```
<!DOCTYPE html>
<html>
<body>


<h2>JavaScript While Loop</h2>


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

```
<script>
var text = "";
var i = 0;
while (i < 10) {
  text += "<br>The number is " + i;
   i++;
}
document.getElementById("demo").innerHTML = text;
</script>


</body>
</html>
```

6.For loop

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript For Loop</h2>

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

<script>
var cars = ["BMW", "Volvo", "Saab", "Ford", "Fiat", "Audi"];
var text = "";
var i;
for (i = 0; i < cars.length; i++) {
  text += cars[i] + "<br>";
}
document.getElementById("demo").innerHTML = text;
```

```
</script>


</body>

</html>



7.JS style

<!DOCTYPE html>

<html>

<body>


<h2>What Can JavaScript Do?</h2>


<p id="demo">JavaScript can change the style of an HTML element.</p>


<button type="button" onclick="document.getElementById('demo').style.fontSize='35px'">Click
Me!</button>


</body>

</html>


8.
Email validate


<html>

<body>

<script>

function validateemail()

{

var x=document.myform.email.value;

var atposition=x.indexOf("@");
```

```
var dotposition=x.lastIndexOf(".");

if (atposition<1 || dotposition<atposition+2 || dotposition+2>=x.length){

  alert("Please enter a valid e-mail address \n atpostion:"+atposition+"\n dotposition:"+dotposition);

  return false;

  }

}

</script>

<body>

<form name="myform"  method="post"
action="http://www.javatpoint.com/javascriptpages/valid.jsp" onsubmit="return validateemail();">

Email: <input type="text" name="email"><br/>


<input type="submit" value="register">

</form>

</body>

</html>
```

9.Simple JS

```
<!DOCTYPE html>

<html>

<body>


<h2>What Can JavaScript Do?</h2>


<p id="demo">JavaScript can change HTML content.</p>


<button type="button" onclick="document.getElementById('demo').innerHTML = 'Hello
JavaScript!'">Click Me!</button>


</body>

</html>
```

10.Validation:

```html
<!DOCTYPE html>
<html>
<head>
<script>
function validateForm() {
  var x = document.forms["myForm"]["fname"].value;
  if (x == "") {
    alert("Name must be filled out");
    return false;
  }
}
</script>
</head>
<body>

<form name="myForm" action="/action_page.php" onsubmit="return validateForm()" method="post">
  Name: <input type="text" name="fname">
  <input type="submit" value="Submit">
</form>

</body>
</html>
```

11.Number validation:

```html
<!DOCTYPE html>
<html>
<body>
```

<h2>JavaScript Can Validate Input</h2>

<p>Please input a number between 1 and 10:</p>

<input id="numb">

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

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

```
<script>
function myFunction() {
  var x, text;

  // Get the value of the input field with id="numb"
  x = document.getElementById("numb").value;

  // If x is Not a Number or less than one or greater than 10
  if (isNaN(x) || x < 1 || x > 10) {
    text = "Input not valid";
  } else {
    text = "Input OK";
  }
  document.getElementById("demo").innerHTML = text;
}
</script>

</body>
</html>
```

12.Multiply

```html
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Functions</h2>

<p>This example calls a function which performs a calculation and returns the result:</p>

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

<script>
var x = myFunction(4, 3);
document.getElementById("demo").innerHTML = x;

function myFunction(a, b) {
  return a * b;
}
</script>

</body>
</html>
```

13.Select form elements

```html
<script type="text/javascript">
function totalelements()
{
var allgenders=document.getElementsByName("gender");
alert("Total Genders:"+allgenders.length);
}
```

```html
</script>
<form>
Male:<input type="radio" name="gender" value="male">
Female:<input type="radio" name="gender" value="female">

<input type="button" onclick="totalelements()" value="Total Genders">
</form>
```

14.Switch

```html
<!DOCTYPE html>
<html>
<body>

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

<script>
var day;
switch (new Date().getDay()) {
  case 0:
    day = "Sunday";
    break;
  case 1:
    day = "Monday";
    break;
  case 2:
    day = "Tuesday";
    break;
  case 3:
    day = "Wednesday";
    break;
```

```
  case 4:
    day = "Thursday";
    break;
  case 5:
    day = "Friday";
    break;
  case  6:
    day = "Saturday";
}
document.getElementById("demo").innerHTML = "Today is " + day;
</script>


</body>
</html>
```

15.Addition

```
<!DOCTYPE html>
<html>
<body>

<h2>The + Operator</h2>

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

<script>
var x = 5;
var y = 2;
var z = x + y;
document.getElementById("demo").innerHTML = z;
</script>
```

```
</body>
</html>
```

16.Prompt:

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Prompt</h2>

<button onclick="myFunction()">Try it</button>

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

<script>
function myFunction() {
  var txt;
  var person = prompt("Please enter your name:", "Harry Potter");
  if (person == null || person == "") {
    txt = "User cancelled the prompt.";
  } else {
    txt = "Hello " + person + "! How are you today?";
  }
  document.getElementById("demo").innerHTML = txt;
}
</script>

</body>
</html>
```

Code2:

```html
<!DOCTYPE html>
<html>
<head>
<script type="text/javascript">
function matchpass(){
var firstpassword=document.f1.password.value;
var secondpassword=document.f1.password2.value;

if(firstpassword==secondpassword){
return true;
}
else{
alert("password must be same!");
return false;
}
}
</script>
</head>
<body>

<form name="f1" action="http://www.javatpoint.com/javascriptpages/valid.jsp" onsubmit="return matchpass()">
Password:<input type="password" name="password" /><br/>
Re-enter Password:<input type="password" name="password2"/><br/>
<input type="submit">
</form>

</body>
</html>
```

17.External javascript:

```
<html>
<head>
<script type="text/javascript" src="message.js"></script>
</head>
<body>
<p>Welcome to JavaScript</p>
<form>
<input type="button" value="click" onclick="msg()"/>
</form>
</body>
</html>
```

External javascript file: mystyle.js

```
function msg(){
 alert("Hello Javatpoint");
}
```