**Sum**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

</head>

<body>

<script>

var sn = parseInt(prompt("Enter the number", ""));

var en = parseInt(prompt("Enter the number", ""));

var sum=0;

function sumNum(sn,en){

for(sn; sn<=en; sn++){

sum+=sn;

}

document.write(sum+ "<br/>");

}

sumNum(sn,en);

</script>

</body>

</html>

**Bignum**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

</head>

<body>

<script>

var num1 = parseInt(prompt("Enter first number",""));

var num2 = parseInt(prompt("Enter second number",""));

var num3 = parseInt(prompt("Enter thrid number",""));

if(num1>num2){

if(num1>num3){

document.write("number 1 is the greatest: "+num1);

}else{

document.write("number 1 is the greatest: "+num3);

}

}else{

if(num2>num3){

document.write("number 2 is the greatest: "+num2);

}else{

document.write("number 2 is the greatest: "+num3);

}

}

</script>

</body>

</html>

**ColorChange**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

<script>

function dropBack(){

var col = document.F.menu.value;

document.bgColor=col;

}

</script>

</head>

<body>

<form name="F">

<select name="menu" onChange="dropBack()">

<option value="Red">Red</option>

<option value="Green">Green</option>

<option value="Blue">Blue</option>

<option value="Aqua">Aqua</option>

<option value="Olive">Olive</option>

<option value="Yellow">Yellow</option>

</select>

</form>

</body>

</html>

**Email**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

<script>

function validateEmail(){

//a@g.cn

var x = document.forms["myForm"]["email"].value;

var atpos = x.indexOf("@");

var dotpos = x.lastIndexOf(".");

if(atpos<1 || dotpos<atpos+2 || dotpos+2>= x.length){

alert("Not a valid email address");

return false;

}else{

alert("Email address is valid");

}

}

</script>

</head

<body>

<form name="myForm" action="#" onSubmit="return validateEmail()" method="post">

Email:

<input type="text" name="email">

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

</form>

</body>

</html>

**EvenOdd**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

</head>

<body>

<script>

var n = parseInt(prompt("Enter any number", ""));

if(n%2==0){

document.write("number " +n+ " is even");

}else{

document.write("number " +n+ " is odd");

}

</script>

</body>

</html>

**Factorial**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

</head>

<body>

<script>

var n = parseInt(prompt("Enter first number", ""));

var multi =1;

for(n; n>=1; n--){

multi\*=n

}

document.write(multi);

</script>

</body>

</html>

**Fibonacci**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

</head>

<body>

<script>

var i;

var fib = []//initialize array

fib [0] = 0;

fib [1] = 1;

for(i=2; i<=10; i++){

//Next fibonacci number = previous+ one before previous number

//Translated to javaScript

fib[i] = fib[i-2]+fib[i-1];

document.write(fib[i]+"<br/>");

}

</script>

</body>

</html>

**findPrime**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

</head>

<body>

<script>

var number = prompt("Enter Value", "");

for(i=2; i<=number; i++){

if(number ==i){

document.write(number +" is a prime number");

}else if(number % i==0){

document.write(number +" is not a prime number");

break;

}

}

</script>

</body>

</html>

**Prime**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

</head>

<body>

<script>

function isPrime(num){

for(var i=2; i<num; i++)

if(num% i===0)

return false;

return num !==1 && num !==0;

}

alert(isPrime(7));

function printPrimes(sn,en){

for(sn; sn<en; sn++){

if(isPrime(sn)){

document.write(sn+ "<hr/>");

}

}

}

printPrimes(1,100);

function printSumFromPrimes(sn,en){

var sum = 0;

for(sn; sn<en; sn++){

if(isPrime(sn)){

sum+=sn;

}

}

return sum;

}

document.write("Sum From Primes Number From 1, 100:"+ printSumFromPrimes(1,100)+"<br/>");

function printCountFromPrimes(sn,en){

var count = 0;

for(sn; sn<en; sn++){

if(isPrime(sn)){

count++;

}

}

return count;

}

document.write("count From Primes Number From 1, 100:"+ printCountFromPrimes(1,100));

</script>

</body>

</html>

**SentinelValue**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

</head>

<body>

<h2>Sentinel Value</h2>

<script>

var n = 0;

var sum = 0;

while(n != -1){

n = parseInt(prompt("Enter Number:", ""));

if(n !=-1){

sum+=n;

}

}

alert(sum);

</script>

<h1>Best of luck!</h1>

</body>

</html**>**

**Form**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>Untitled Document</title>

<style>

label{

color: red;

padding: 3px 10px;

}

</style>

</head>

<body>

<form name="myForm">

Name:

<input type="text" name="fname"/><label id="fname"></label><br/>

ID:

<input type="number" name="id"/><label id="id"></label><br/>

Email:

<input type="email" name="email"/><label id="email"></label><br/>

Password:

<input type="password" name="password"/><label id="password"></label><br/>

Gender:

<input type="radio" name="gender" value="Male"/>Male

<input type="radio" name="gender" value="Male"/>Male

<label id="gender"></label><br/>

Education:

<input type="checkbox" name="ssc" value="SSC"/>SSC

<input type="checkbox" name="hsc" value="HSC"/>HSC

<label id="education"></label><br/>

Round:

<select name="round">

<option value="Select A Round" selected="selected">Select A Round</option>

<option value="Round 37">Round-37</option>

<option value="Round 38">Round-38</option>

<option value="Round 39">Round-39</option>

</select>

<label id="round"></label><br/>

<textarea rows="5" cols="20" name="msg" placeholder="Enter at 10 characters"></textarea>

<label id="msg"></label><br/>

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

</form>

<button onClick="validateForm()">Submit</button>

<button onClick="closeWindow()">close Window</button>

<script>

var win;

function closeWindow(){

win.close();

}

function validateForm(){

/////for name/////

var fname = document.forms["myForm"]["fname"].value;

var id = document.forms["myForm"]["id"].value;

var email = document.forms["myForm"]["email"].value;

var password = document.forms["myForm"]["password"].value;

var gender = document.forms["myForm"]["gender"].value;

var education = "";

if(document.forms["myForm"].ssc.checked){

education+= document.forms["myForm"]["ssc"].value;

}

if(document.forms["myForm"].hsc.checked){

education+= document.forms["myForm"]["hsc"].value;

}

var round = document.forms["myForm"]["round"].value;

var msg = document.forms["myForm"]["msg"].value;

/////validation for name feild/////

if(fname == ""){

document.getElementById('fname').innerHTML = "Name must feild out";

return false;

} else if(fname.length<3){

document.getElementById('fname').innerHTML = "Name length 3 characters";

return false;

}else{

document.getElementById('fname').innerHTML = "";

}

/////validation for id feild/////

if(id == ""){

document.getElementById('id').innerHTML = "id must feild out";

return false;

}else{

document.getElementById('id').innerHTML = "";

}

/////validation for email feild/////

if(email==""){

document.getElementById('email').innerHTML="Enter your email ID";

return false;

}else{

var atpos=email.indexOf("@");

var dotpos=email.lastIndexOf(".");

if(atpos<1 || dotpos<atpos+2 || dotpos+2>=email.length){

document.getElementById('email').innerHTML="Enter your email ID";

return false;

}else{

document.getElementById('email').innerHTML="";

}

}

/////validation for password feild/////

if(password == ""){

document.getElementById('password').innerHTML = "password must feild out";

return false;

}else{

document.getElementById('password').innerHTML = "";

}

/////validation for gender feild/////

if(gender == ""){

document.getElementById('gender').innerHTML = "Tell me your gender";

return false;

}else{

document.getElementById('gender').innerHTML = "";

}

/////validation for education feild/////

if(!document.forms["myForm"].ssc.checked && !document.forms["myForm"].hsc.checked){

document.getElementById('education').innerHTML = "Tell me your education";

return false;

}else{

document.getElementById('education').innerHTML = "";

}

/////validation for round feild/////

if(round == "Select A Round"){

document.getElementById('round').innerHTML = "Tell me your round";

return false;

}else{

document.getElementById('round').innerHTML = "";

}

/////validation for message feild/////

if(msg.length<10){

document.getElementById('msg').innerHTML = "Enter at least 10 characters";

return false;

}else{

document.getElementById('msg').innerHTML = "";

/////open new window/////

win = window.open("", "", "width=400");

win.document.write("<h2><center>Form Output</center></h2><hr/>");

win.document.write("Name: " +fname+ "<br/>");

win.document.write("ID: " +id+ "<br/>");

win.document.write("Email: " +email+ "<br/>");

win.document.write("Password: " +password+ "<br/>");

win.document.write("Gender: " +gender+ "<br/>");

win.document.write("Education: " +education+ "<br/>");

win.document.write("Round: " +round+ "<br/>");

win.document.write("Comments: " +msg+ "<br/>");

}

}

</script>

</body>

</html>