

# 1. Create a form having number of elements. Write a java script code to count the number of elements in a form.

```
<html>
<head>
<title>COUNT OF NUMBER OF ELEMENTS IN A FORM</title>
<script type="text/javascript">
function countElements()
{
    alert("The number of elements in form1 are : "+document.form1.length);
}
</script>
</head>
<body bgcolor="lightgrey">
<form name="form1">
<pre>
First name: <input type="text" name="fname" value="" /><br/>
Last name: <input type="text" name="lname" value="" /><br/><br/>
<b>Gender</b>
Male <INPUT TYPE="radio" NAME="rad" VALUE="radio_button1" />
Female <INPUT TYPE="radio" NAME="rad" VALUE="radio+button2" /><br/>
<b>Education</b>
Under Graduate <INPUT TYPE="checkbox" NAME="check1" />
```

```
Graduate <INPUT TYPE="checkbox" NAME="check2" Value="Check2" />
Post Graduate <INPUT TYPE="checkbox" NAME="check3" Value="Check3"
/>
<input type="submit" value="Submit" onClick="countElements()" />
</form>
</body>
</html>
```

**2.Create a HTML form that has number of textboxes. When the form runs in the Browser fill in the textboxes with data. Write a Javascript code that verifies that all textboxes has been filled . if a textboxes has been left empty, popup an alert indicating which textbox has been left empty.**

```
<html>
<head>
<title>Contact Form</title>
<script type = "text/javascript">
function validate()
{
  if(document.myForm.Name.value == "")
  {
    alert("Please provide your Name");
    document.myForm.Name.focus();
```

```
    return false;
}
if(document.myForm.Email.value == "")
{
    alert("Please provide your Email ID");
    document.myForm.Email.focus();
    return false;
}
if(document.myForm.Phone.value == "")
{
    alert("Please provide your Phone Number");
    document.myform.Phone.focus();
    return false;
}
return true;
}
</script>
</head>
<body>
<center><h2>CONTACT FORM</h2>
<form name ="myForm" onsubmit ="return(validate())";>
<table cellspacing ="2" cellpadding ="2" border ="1">
```

```
<tr>
<td>Name</td>
<td><input type ="text" name ="Name" /></td>
</tr>
<tr>
<td>Email ID</td>
<td><input type ="text" name ="Email" /></td>
</tr>
<tr>
<td>Phone</td>
<td><input type ="text" name ="Phone" /></td>
</tr>
<tr>
<td colspan ="2" align ="center"><input type ="submit" value ="Submit" />
</td>
</tr>
</table>
</form>
</center>
</body>
</html>
```

**3. Develop a HTML Form, which accepts any Mathematical expression. Write a JavaScript code to evaluate the expression and display the result.**

```
<html>
<head>
<title>Solution of Mathematical Expression</title>
<script type="text/javascript">
function calc()
{
    document.frmExp.result.value=
eval(document.frmExp.expr.value)
}
</script>
</head>
<body>
<form name="frmExp">
Enter a mathematical expression in the text box,Click on
Calculate button to display the result<br></br>
<table cellpadding="4" cellspacing="0" height=100 width=200
bgcolor="lightgrey">
```

```
<tr>
<td><input type="text" size="20" name="expr"></td>
<td><input type="button" name="Button1" value="Calculate"
onclick="calc()"></td>
</tr>
<tr>
<td><b>Result:</b><input type="text" size="20"
name="result"></td>
<td><input type="reset" name="reset" value="Reset"></td>
</tr>
</table>
<p>Click on Reset button to enter another new expression.</p>
</form>
</body>
</body>
</html>
```

#### 4.Dynamic stacking

```
<!DOCTYPE html>
```

```
<!-- stack.html
```

A document for dynamic stacking of images

->

<head>

<title>DYNAMIC STACKING OF IMAGES</title>

<script type = "text/javascript">

var top = "i1";

function toTop(newTop)

{

domTop = document.getElementById(top).style;

domNew = document.getElementById(newTop).style;

domTop.zIndex = "0";

domNew.zIndex = "10";

top = newTop;

}

</script>

<style type = "text/css">

.img1 {position: absolute; top: 0; left: 0; z-index: 0;}

.img2 {position: absolute; top: 40px; left: 80px; z-index: 0;}

.img3 {position: absolute; top: 50px; left: 100px; z-index: 0;}

</style>

</head>

<body>

```
<p><img class = "imgg1" id = "i1" src = "sneha.jpg"
onclick="toTop('i1')"/>


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

**5. Write a java script code to find the sum of N natural numbers.  
(Use user-defined function)**

```
<html>
<head>
<title> SUM OF N NATURAL NUMBERS </title>
<script type="text/javascript">
var num,n,s=0;
num=window.prompt("Enter a number","0");
n=parseInt(num);
if(n<=0)
{
    alert("Enter a positive number");
}
```



```
document.write("<h1><center>Sum of " + n + " natural numbers is :");  
findsum(n);  
document.write(s+"</center></h1>");  
function findsum(n)  
{  
    for( var i = 0; i <= n; i++)  
        s= s+i;  
}  
</script>  
</head>  
<body bgcolor="powderblue">  
</body>  
</html>
```

## 6. Write a javascript code to find factorial of a number.

```
<!DOCTYPE html>  
<html>  
<head>  
<title>Recursive factorial function </title>
```

```
<script type = "text/javascript">
var number,n;

num =window.prompt("Enter the number to find factorial ","0");
n=parseInt(num);
document.write("<h1><center>Factorial of " + n + " is ");
for( var i=0; i <=n; i++)
var f=fact(n);
document.write("<i>"+f+"</i></center></h1>");
function fact(n)
{
if(n==1)
return 1;
else
return n*fact(n-1);
}
</script>

</head>

<body bgcolor="red"></body>

</html>
```

**7. Write a JavaScript code block using arrays and generate the current date in words, this should include the day, month and year.**

```
<html>
<head>
<title>Current Date</title>
<script type="text/javascript">
var d_names = new Array("Sunday", "Monday", "Tuesday",
"Wednesday", "Thursday", "Friday", "Saturday");
var m_names = new Array("January", "February", "March", "April",
"May", "June", "July", "August", "Septemeber", "October",
"Novemeber", "Decemeber");
var d=new Date();
var curr_day= d.getDay();
var curr_date= d.getDate();
var sup= "";
if(curr_date == 1 || curr_date == 21 || curr_date == 31)
{
sup = "st";
}
else if (curr_date == 2 || curr_date == 22)
{
sup = "nd";
}
}
```

```
else if(curr_date == 3 || curr_date == 23)
{
sup = "rd";
}
else
{
sup = "th";
}

var curr_month = d.getMonth();
var curr_year = d.getFullYear();

document.write("<h1><center>" + d_names[curr_day] + " " +
curr_date + "<SUP>" + sup + "</SUP>" + m_names[curr_month] + "
" + curr_year + "</center></h1>");

</script>

</head>

<body bgcolor="cyan">

</body>

</html>
```

**8.Create a form for Student information. Write Javascript code to find Total,Average,Result and Grade.**

```
<html>
<head>
<titele>Declaration of results of students</title>
<script>
function findResult()
{
var result="";
var grade="";
var studname=document.frmStudent.sname.value;
var m1=parseInt(document.frmStudent.mark1.value);
var m2=parseInt(document.frmStudent.mark2.value);
var m3=parseInt(document.frmStudent.mark3.value);
var m4=parseInt(document.frmStudent.mark4.value);
var m5=parseInt(document.frmStudent.mark5.value);
var m6=parseInt(document.frmStudent.mark6.value);
var total=(m1+m2+m3+m4+m5+m6);
var avg=Math.round(total/6);
if(m1<40||m2<40||m3<40||m4<40||m5<40||m6<40)
result="Fail";
else
{
var mm=avg;
```

```
if(mm>=80)
{
grade="A";
result="Distinction";
}
else if(mm>=60)
{
grade="B"
result="First class";
}
else if(mm>=50)
{
grade="C";
result="Second class";
}
else if(mm>=40)
{
grade="D";
result="Pass";
}
else if(mm<50)
{
```

```
grade="F";
result="Fail";
}
}
document.write("<br/><pre>
—————<br/>");
document.write("<br/><h1> B.Sc. V Semester -RESULT SHEET  </h1>");
document.write("<br/>
—————<br/>");
document.write("<br/>Student Name      ::  <b>"+studname+"</b>");
document.write("<br/>Total Marks      ::  <b>"+total+"/600"+"</b>");
document.write("<br/>Average Marks    ::  <b>"+avg+"</b>");
document.write("<br/>Result          ::  <b>"+result+"</b>");
document.write("<br/>Grade           ::  <b>"+grade+"</b>");
document.write("<br/>
—————</pre><br/>");
}
</script>
</head>
<body bgcolor="lightgrey">
<form name="frmStudent">
<center><b><h1>STUDENT INFORMATION</h1></b></center><br/><br/>
<h2>Please fill in details : </h2>
```

```
<pre>
```

```
STUDENT NAME      : <input type="text" name="sname"><br>
PHYSICS V          : <input type="text" name="mark1"><br/>
PHYSICS VI         : <input type="text" name="mark2"><br/>
MATHEMATICS V      : <input type="text" name="mark3"><br/>
MATHEMATICS VI     : <input type="text" name="mark4"><br/>
COMPUTER SCIENCE V : <input type="text" name="mark5"><br/>
COMPUTER SCIENCE   : <input type="text" name="mark6"><br/>
```

```
</pre>
```

```
<input type="button" value="Submit" onclick="findResult();">
```

```
</form>
```

```
</body>
```

```
</html>
```

**9.Create a form for Employee information. Write javascript code to find DA,HRA,PF,TAX,Gross Pay,Deduction and Net pay.**

```
<html>
```

```
<head>
```

```
<title>EMPLOYEE INFORMATION</title>
```

```
<script>
```

```
function findSalary()
```



```
{
var empname=document.frmEmp.ename.value;
var edept=document.frmEmp.dept.value;
var basicpay=parseInt(document.frmEmp.basic.value);
var da,hra,tax,pf,grosspay,deductions,netpay;
da=basicpay*0.5;
hra=basicpay*0.15;
grosspay=basicpay+da+hra;
pf=grosspay*0.12;
tax=grosspay*0.1;
deductions=pf+tax;
netpay=grosspay-deductions;
document.write("<h1>EMPLOYEE SALARY DETAILS</h1><br/></br>");
document.writeln("Employee Name      :<b>"+empname+"</b><</br>");
document.writeln("Basic pay          :<b>"+basicpay+"</b></br>");
document.writeln("Dearness Allowance  :<b>"+da+"</b></br>");
document.writeln("House Rent Allowances:<b>"+hra+"</b></br>");
document.writeln("Gross Salary       :<b>"+grosspay+"</b></br>");
document.writeln("Deductions         :<b>"+deductions+"</b></br>");
document.writeln("Net Salary         :<b>"+netpay+"</b>");
}
</script>
```

```
</head>
<body bgcolor="lightgrey">
<form name="frmEmp">
<center><b><h1>EMPLOYEE SALARY
DETAILS</h1></b></center><br/><br/>
<h2>Enter Employee Name,Department and Basic Pay</h2>
<pre>
<font size="4">
<center><h1>EMPLOYEE SALARY DETAILS</h1></center>
EMPLOYEE NAME    <input type="text" name="ename"><br/>
DEPARTMENT       <input type="text" name="dept"><br/>
BASIC PAY        <input type="text" name="basic"><br/><br/>
</font>
</pre>
<input type="button" value="Calculate Net Salary" onclick="findSalary();">
</body>
</html>
```

**10. Create a form consists of atwo multiple choice lists and one single choice list.**

**1.)The first multiple choice list,displays the major dishes available.**

**2.)The second multiple choice list,displays the starters available.**

### 3.)The single choice list,displays the soft drinks available.

```
<html>
<head>
<title>Menu Driven Program</title>
<script>
function findCost()
{
var starter=document.getElementById("starter");
var main=document.getElementById("main");
var soft=document.getElementById("soft");
var selecteditem="Item\t\t\tPrice\n—————\n";
var total=0;
for(var i=0;i<starter.options.length;i++)
{
var choice=starter.options[i];
if(choice.selected==true)
{
var price=parseInt(choice.value);
total=total+price;
selecteditem=selecteditem+choice.text+"\t\t\t"+price+"\n";
}
}
```

```
}  
for(var i=0;i<main.options.length;i++)  
{  
var choice=main.options[i];  
if(choice.selected==true)  
{  
var price=parseInt(choice.value);  
total=total+price;  
selecteditem=selecteditem+choice.text+"\t\t\t"+price+"\n";  
}  
}  
for(var i=0;i<soft.options.length;i++)  
{  
var choice=soft.options[i];  
if(choice.selected==true)  
{  
var price=parseInt(choice.value);  
total=total+price;  
selecteditem=selecteditem+choice.text+"\t\t\t\t"+price+"\n";  
}  
}  
selecteditem=selecteditem+"\n\n\nTotal Cost\t\t\t\t"+total;
```

```
document.getElementById("display").value=selecteditem;
}
</script>
</head>
<body bgcolor="grey">
<br/><br/><br/><br/>
<form name="menuform">
<table border="10" width="550" align="center" bgcolor="orange">
<tr>
<th colspan="3" align="center">
<h2>Restaurant Menu Details</h2>
</th>
</tr>
<tr>
<td>Starters</td>
<td>Main Course</td>
<td>Soft Drinks</td>
</tr>
<tr>
<td>
<select id="starter" size="4" multiple="multiple">
<option value="85">Gobi Manchurian</option>
```

```
<option value="100">Corn Manchurian</option>
```

```
<option value="50">Masala Papad</option>
```

```
<option value="65">Tomato Soup</option>
```

```
</select>
```

```
</td>
```

```
<td>
```

```
<select id="main" size="4" multiple="multiple">
```

```
<option value="100">Veg. Pulao</option>
```

```
<option value="150">Jeera Rice</option>
```

```
<option value="120">Curry & Roti</option>
```

```
<option value="160">Veg. Biryani</option>
```

```
</select>
```

```
</td>
```

```
<td>
```

```
<select id="soft" size="4" multiple="multiple">
```

```
<option value="35">Maaza</option>
```

```
<option value="25">Pepsi</option>
```

```
<option value="30">Fanta</option>
```

```
<option value="25">Soda</option>
```

```
</select>
```

```
</td>
```

```
</tr>
```

