

JavaScript Programs

1) Addition:

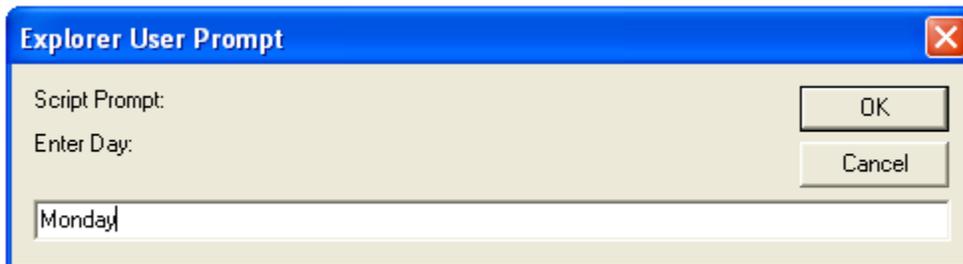
+ =

```
<html>
<head>
<title>Addition of Two Numbers</title>
</head>
<script language="JavaScript">

function add()
{
    var a, b, c
    a = new Number(document.frm.T1.value)
    b = new Number(document.frm.T2.value)
    c = a + b
    document.frm.T3.value = c
}

</script>
<body>
<form name="frm" method="POST">
    <input type="text" name="T1" size="10"><b>
    <font size="5">+</font></b>
    <input type="text" name="T2" size="10">
    <input type="button" value=" = " name="B1" onClick="add()">
    <input type="text" name="T3" size="10"></p>
</form>
</body>
</html>
```

2) Checking Day



WORKING

```
<html>
<head>
<title>Checking Day</title>
</head>
<body>

<script language="JavaScript">
    day = prompt("Enter Day:")

    if(day == "sunday")
    {
        document.writeln("<h3>HOLIDAY</h3>")
    }
    else
    {
        document.writeln("<h3>WORKING</h3>")
    }

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

3) In Body

Hello World

```
<html>
<head>
<title>Scripting in Body</title>
</head>
<body>

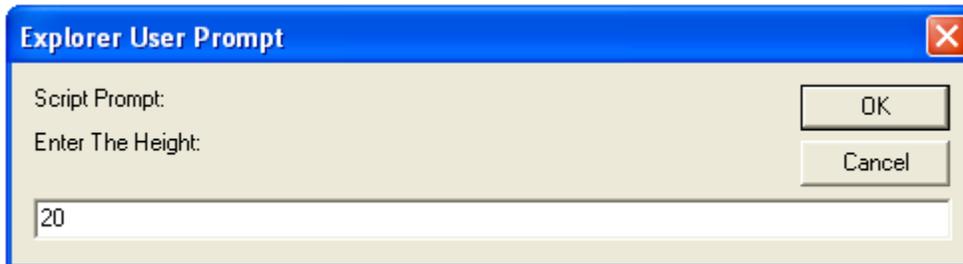
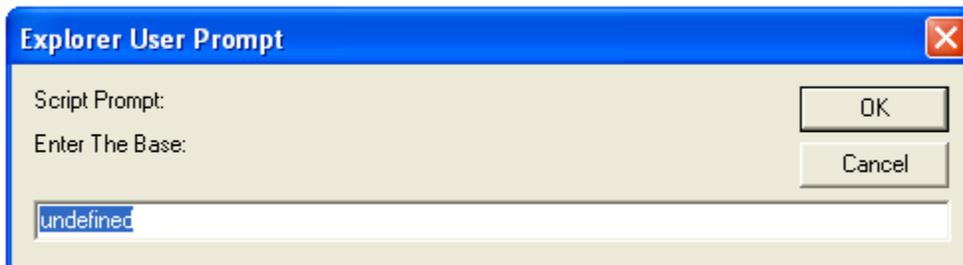
<script language="JavaScript">
    document.writeln("<font size=5 color=red>")
    document.writeln("<b>Hello World</b>")
    document.writeln("</font>")
</script>
</body>
</html>
```

4) First Program

Hello World

```
<html>
<head>
<title>First Program</title>
</head>
<script language="JavaScript">
    document.write("Hello World");
</script>
</html>
```

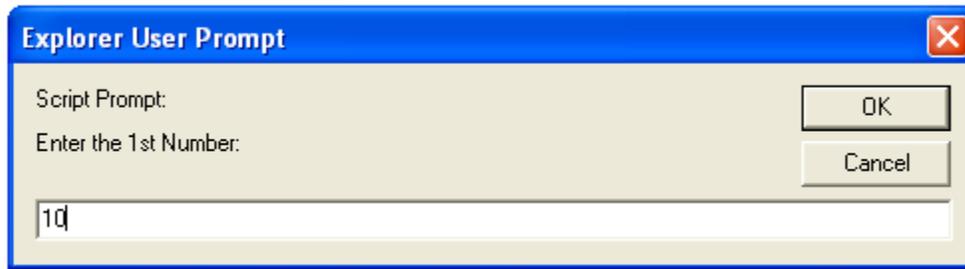
5) Find the area of Triangle



The Area of the triangle is:100

```
<html>
<head>
<title>Second Program</title>
</head>
<script language="JavaScript">
    var b,h,a;
    b = prompt("Enter The Base: ");
    h = prompt("Enter The Height: ");
    a = 1/2 * b * h;
    document.write("The Area of the triangle is:" +a);
</script>
</html>
```

6) Find the average of three numbers.



Repeat above step for 3 numbers. (10,20,30)

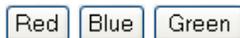
Output is:

The Average of three Numbers is: 20

```
<html>
<head>
<title>Third Program</title>
</head>
<script language="JavaScript">
    var n1,n2,n3,avg;
    n1 = prompt("Enter the 1st Number: ");
    n1 = parseInt(n1);
    n2 = prompt("Enter the 2nd Number: ");
    n2 = parseInt(n2);
    n3 = prompt("Enter the 3rd Number: ");
    n3 = parseInt(n3);
    avg = (n1+n2+n3) / 3;
    document.write("The Average of three Numbers is: "+avg);
</script>
</html>
```

7) To change the background color.

Click the buttons below to change the background color



```
<html>
<head>
<title>Four Program</title>
</head>
<script language="JavaScript">
    function func1()
    {
        document.bgColor = "#FF0000";
        window.status = "Red Color";
    }
</script>
</html>
```

```
}  
function func2()  
{  
    document.bgColor = "#0000FF";  
    window.status = "Blue Color";  
}  
function func3()  
{  
    document.bgColor = "#00FF00";  
    window.status = "Green Color";  
}  
}  
</script>  
<body>  
    <br><br>  
    <p align="center"> Click the buttons below to change the background  
color </p>  
    <form>  
        <input type="button" name = "but4" value="Red"  
onClick="func1()">  
        <input type="button" name = "but5" value="Blue"  
onClick="func2()">  
        <input type="button" name = "but6" value="Green"  
onClick="func3()">  
    </form>  
</body>  
</html>
```

8) To blink the text

Blinking Text

Start

```
<html>  
<head>  
<title>Five Program</title>  
</head>  
<script language="JavaScript">  
    colors = new Array("green","red","blue");  
    index = 0;  
    document.write("<h1 align = 'center'> Blinking Text </h1>");  
  
    function func()  
    {  
        if(index > 2)  
        {
```

```
        index = 0;
        document.fgColor = colors[index];
        index++;
    }
    else
    {
        document.fgColor=colors[index];
        index++;
    }
}

function startbk()
{
    ref = setInterval("func()",500);
}

</script>
<body>
    <center>
        <input type="button" name="but1" value="Start" onClick="startbk()">
    </center>
</body>
</html>
```

9) To catch the information from the form.

Student Details

Name:

Gender: Male Female



```
<html>
<head>
<title>Form Processing </title>
<script language="JavaScript">

function processForm()
{
    var username
    var gender
    username = document.frm1.fname.value
    str = "Your Name: "+username+"\n\n"
```

```
if(document.frm1.radio1[0].checked)
{
    gender = "Male"
}
else
{
    gender = "Female"
}
str1 = "Your gender: "+gender+"\n\n"

alert(str+str1)
}
</script>
</head>
<body>
    <h1> <center> Student Details </center> </h1>

    <form name="frm1" onClick = "processForm()">
    <center>
    <b> Name: </b> <input type = "text" name="fname" size = 20 maxlength = 20>
<br> <br>
    <b> Gender: </b> <input type = "radio" name = "radio1" value = "Male"
checked> Male
                <input type = "radio" name = "radio1" value = "Female"> Female
<br><br>
    <input type = "button" value = "Submit">
    <input type = "reset" value = "Reset"> </center> </form>
</body>
</html>
```

10) Greeting according to time of the day.

Greeting According to the time of the day



```
<html>
<head>
<title> Greeting Accordig to the time of the day </title>
```

```
<script language="JavaScript">

function Greetings()
{
    dt = new Date();
    hr = dt.getHours();

    if(hr <= 6)
    {
        alert("Early Good Morning");
    }
    if((hr > 6) && (hr <= 12))
    {
        alert("Good Morning");
    }
    if((hr > 12) && (hr <= 17))
    {
        alert("Good Afternoon");
    }
    if(hr > 17)
    {
        alert("Good Evening");
    }
}
</script>
</head>
<body onLoad = "Greetings()">
    <h1> <center> Greeting According to the time of the day </center> </h1>

</body>
</html>
```

11) Message displayed on clicking left mouse button.



```
<html>
<head>
    <title> Message displayed on clicking left mouse button</title>
</head>

<body onClick="alert('Clicked')">
```

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

12) Create a Login form, when submit, it should call another form.

LOGIN FORM

Login

Password

Output is:

WELCOME!!!! LOGIN SUCCESSFUL!!!!

```
<html>
```

```
<head>
```

```
<title>LOGIN FORM</title>
```

```
</head>
```

```
<script language="JavaScript">
```

```
function Checking()
```

```
{
```

```
    var log
```

```
    log = document.frm.login.value
```

```
    var pass
```

```
    pass = document.frm.password.value
```

```
    if (log == "")
```

```
    {
```

```
        alert("Please Enter Correct Login Name")
```

```
        document.frm.login.focus()
```

```
        return false
```

```
    }
```

```
    if (pass == "")
```

```
    {
```

```
        alert("Please Enter Correct Password")
```

```
        document.frm.password.focus()
```

```
        return false
```

```
    }
```

```
    if ((log != "") && (pass != ""))
```


13) Printing 1 to 10 numbers

```
<html>
  <head>
    <title>
      1 to 10 number
    </title>
  </head>
  <SCRIPT language="javascript">
    var i ;
    for (i=1 ; i<=10 ; i++)
    {
      document.write ("number:"+i);
    }
  </script>
  <body>
  </body>
</html>
```

14) Change Color

```
<HTML>
  <HEAD>
    <TITLE>
      Changecolor
    </TITLE>
    <script language="Javascript">
      function changecolor()
      {
        document.bgColor="blue";
        setTimeout("changecolor1()",1000);
      }
      function changecolor1()
      {
        document.bgColor="red";
        setTimeout("changecolor2()",1000);
      }
      function changecolor2()
      {
        document.bgColor="pink";
        setTimeout("changecolor3()",1000);
      }
      function changecolor3()
      {
        document.bgColor="violet";
```

```
setTimeout("changeColor()",1000);
}
</script>
</head>
<body>
<form>
<input type="button" value="click" onMouseOver="changeColor()">
</form>
</body>
</html>
```

15) Date Validation

```
<TITLE>
EXP--1
</TITLE>
<script language = "javascript">
function chkdt()
{
var a,d,m,y;
a=fo.txt1.value;
d=a.substr(0,2);
m=a.substr(3,2);
y=a.substr(6,5);
if((d>31)||(m>12))
{
alert("invalid date");
}
else if (y<1951)
{

alert("invalid date");
}
else if (y>2051)
{
alert("invalid date");
}
else
{
alert("Accepted");
}
}
</script>
</head>
<body bgcolor ="blue" text="aqua">
```

```
<form name="fo"method ="post">
<center>
<h3>Enter DATE(DD-MM-YY)</h3>
<input type="text" name="txt1">
</center>
<input type="button" name="date1" value="Validate" Onclick="chkdt()">
</form>
</body>
</html>
```

16) E-Mail Validation

```
<HTML>
<HEAD>
<TITLE>
E-mail validation
</title>
<body bgcolor = "red">
<script language = "javascript">
function formCheck()
{
if (document.Form.mail.value!="")
{
if (document.Form.mail.value.indexOf("@")==-
1||document.Form.mail.value.indexOf("")==1)
{
alert("sorry,your email address is not valid");
document.Form.mail.focus();
return false;
}
else
{
alert("correct");
}
}
}
</script>
<form name= "Form">
<input type = "text" name = "mail">
<input type="button" value="Click"onClick="formCheck()">
</form>
</body>
</HTML>
```

17) Checking Username and Password

```
<html>
<script language="javascript">
function verify()
{
if (isname() && ispass())
    {
    alert("acceptable")
    return true
    }
else
    {
    alert("not accepted")
    return false
    }
}

function isname()
{
var str
str=f1.t1.value

if((str=="")||(str.length<3)||(str.length>20))
    {
    alert("name not ok")
    return false
    }
for(var i=0;i<str.length;i++)
    {
var ch=str.substring(i,i+2)
if((ch<"a"||"z"<ch)&&(ch<"A"||"Z"<ch))
    {
    alert("...only alphabets please")
    return false
    }
}
return true
}

function ispass()
{
var str1=f1.t2.value
if((str1=="")||(str1.length<5)||(str1.length>12))
    {
```

```
        alert("password not ok")
        return false
    }
    for(var i=0;i<str1.length;i++)
    {
    var ch=str1.substring(i,i+1)
    if((ch<"a"||"z"<ch)&&(ch<"A"||"Z"<ch)&&(ch<"0"||"9"<ch))
        {
        alert("no special char!!")
        return false
        }
    }
    return true
}
</script>
<body>
<form name="f1">
name<input type="text" name="t1" size="20">
<p>password<input type="password" name="t2" size="20">
<p>
<input type="button" value="click" onClick="verify()">
</form>
</body>
</html>
```

18) Telephone Validation

```
<html>
<head>
<script language="JavaScript">
var a=new Array("1","2","3","4","5","6","7","8","9","0","/","-"," ");
function init()
{
alert("Welcome to Java Scripting to check Telephone number validity... Pls enter
values in both text-boxes")
}

function check()
{
var ph=f.phone.value
var phlen=ph.length
if(f.income.value=="'||f.phone.value=="")

alert("Don't leave any fields blank");
else
{
```

```
if(isNaN(f.income.value))
{
alert("Income should be a number");
}
else
if(f.income.value<0)
{
alert("Income cannot be negative");
}
else
{
alert("Income okay");
}

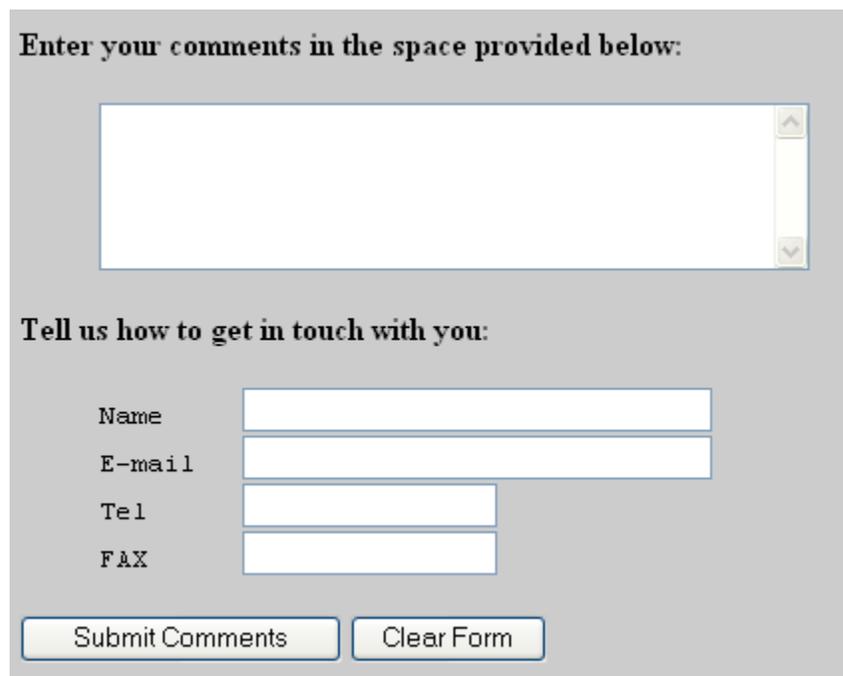
var found=true;
var ok=true;

if(phlen>=8)
{
for(var i=0;i<f.phone.value.length;i++)
{
var chr=f.phone.value.charAt(i);
var found=false;

for(var j=0;j<a.length;j++)
{
if(chr==a[j])
{
found=true;
}
}
if(!found)
ok=false;
}
if(ok==false)
{
alert("Telephone number not okay");
}
else
{
alert("Telephone number okay");
}
}
else
{
```

```
        alert("Telephone number has to be min. 8 characters")
    }
}
</script>
</head>
<body onLoad="init()">
<P>
<H1>VALIDATION OF TELEPHONE AND NAME </H1>
<P>
<form name="f">
Telephone here:---<input type="text" name="phone"><br>
Income Here :----- <input type="text" name="income"><br>
<P>
<input type="button" value="CHECK INPUT" onClick="check()">
</form>
</body>
</html>
```

19) FeedBack Form



The image shows a web form titled "19) FeedBack Form". It contains a text area for comments with the prompt "Enter your comments in the space provided below:". Below this is a section titled "Tell us how to get in touch with you:" which includes four input fields for "Name", "E-mail", "Tel", and "FAX". At the bottom of the form are two buttons: "Submit Comments" and "Clear Form".

```
<HTML>
<HEAD>
<TITLE> New Document </TITLE>
<script language="JavaScript">
```

```
// Validation for Comments
```

```
function comment()
{
    var p
    p = document.myform.comments.value
    if(p == "")
    {
        alert("Please put your comments")
        return true
    }
    else
    {
    }
    document.myform.comments.focus()
    return false
}
```

// Validation for name

```
function fname1()
{
    var s
    var l1
    s = document.myform.fname.value
    l1 = s.length
    for(var i = 0; i < l1; i++)
    {
        if((s.charCodeAt(i) > 64 && s.charCodeAt(i) < 91) ||
            (s.charCodeAt(i) > 96 && s.charCodeAt(i) < 123) ||
            (s.charCodeAt(i) == 45) || (s.charCodeAt(i) == 46) ||
            (s.charCodeAt(i) == 95) || (s.charCodeAt(i) == ""))
        {
        }
        else
        {
            alert("Please enter the valid First name")
            return true
        }
    }
    return false
}
```

```
function fname2()
{
```

```
var p
p = document.myform.fname.value
if(p == "")
{
    alert("First Name should not be empty")
    return true
}
else
{
}
document.myform.fname.focus()
return false
}

// Validation for E - mail ID

function email1()
{
    var q
    var l2
    q = document.myform.email.value
    l2 = q.length
    if(q == "")
    {
        alert("Email should not be empty")
        document.myform.email.focus()
        return false
    }
    if(q.indexOf("@") == 0)
    {
        alert("Please enter the Valid email id")
        return false
    }

    for(var i = 0; i < l2.length; i++)
    {
        if(q.charCodeAt(i) != 64)
        {
            alert("@ must be there")
            return true
        }
        return false
    }

    if((q.charCodeAt(i) > 64 && q.charCodeAt(i) < 91) ||
    (q.charCodeAt(i) > 96 && q.charCodeAt(i) < 123) ||
```

```
(q.charCodeAt(i) == 45 ) || (q.charCodeAt(i) == 46) ||
(q.charCodeAt(i) == 95) || (q.charCodeAt(i) == "") ||
(q.charCodeAt(i)>47 && q.charCodeAt(i) <58 ))
{
}
else
{
    alert("invalid character")
    return true
}

if(q.charAt(q.length-1) == ".")
{
    alert("Email ID should not be end with '.'")
    return true
}

if(q.charAt(q.length-1) == "@")
{
    alert("Email ID should not be end with '@")
    return true
}

return false
}

// Validation for Telephone Number

function telno1()
{
    var t
    t = document.myform.telno.value
    if(t == "")
    {
        alert("Tel. No. Should not be empty")
        return true
    }
    document.myform.telno.focus()
    return false
}

function telno2()
{
    var t1
    t1 = document.myform.telno.value
    l3 = t1.length
```

```
for(var i = 1;i < l3; i++)
{
    if((t1.charCodeAt(i) > 64 && t1.charCodeAt(i) < 91) ||
    (t1.charCodeAt(i) > 96 && t1.charCodeAt(i) < 123) ||
    (t1.charCodeAt(i) == 45 ) || (t1.charCodeAt(i) == 46) ||
    (t1.charCodeAt(i) == 95) || (t1.charCodeAt(i) == ""))
    {
        alert("Tel. No. Numeric only")
        return true
    }
    else
    {
    }
}
return false
}
```

// Validation for Fax

```
function fax1()
{
    var f1
    f1 = document.myform.fax.value
    l3 = f1.length
    for(var i = 1;i < l3; i++)
    {
        if((f1.charCodeAt(i) > 64 && f1.charCodeAt(i) < 91) ||
        (f1.charCodeAt(i) > 96 && f1.charCodeAt(i) < 123) ||
        (f1.charCodeAt(i) == 45 ) || (f1.charCodeAt(i) == 46) ||
        (f1.charCodeAt(i) == 95) || (f1.charCodeAt(i) == ""))
        {
            alert("Fax must be Numeric only")
            return true
        }
        else
        {
        }
        return false
    }
    return false
}
```

// Main function

```
function check()
{
```

```
if(comment(document.myform.comments.value))
{
    return false
}

if(fname1(document.myform.fname.value))
{
    return false
}

if(fname2(document.myform.fname.value))
{
    return false
}

if(email1(document.myform.email.value))
{
    return false
}
if(telno1(document.myform.telno.value))
{
    return false
}

if(telno2(document.myform.telno.value))
{
    return false
}

if(fax1(document.myform.fax.value))
{
    return false
}

return true;
}

</Script>

</HEAD>

<BODY BGCOLOR="#CCCCCC">
<FORM METHOD = "get" ACTION=
"http://127.0.0.1:8080/Yogesh/servlet/FeedBackServlet2" NAME="myform"
onSubmit="return check()">
```

```
<p><strong>Enter your comments in the space provided below:</strong></p>
<dl>
  <dd><textarea name="comments" rows="5" cols="42"
maxlength="60"></textarea></dd>
</dl>
<p><strong>Tell us how to get in touch with you:</strong></p>
<dl>
  <dd><pre>Name   <input type="text" size="35" maxlength="30"
name="fname">
E-mail <input
type="text" size="35" maxlength=" 30" name="email">
Tel    <input type="text" size="17"
maxlength="15" name="telno">
FAX    <input type="text" size="17" maxlength="15"
name="fax"> </pre>
  </dd>
</dl>
<p><input type="submit" value="Submit Comments"> <input type="reset"
value="Clear Form"></p> </form> <hr> </body> </html>
```