Bài tập thực hành JavaScript

1. Bài Tập 1:

Tao Giao Diên Như Sau

Radio Button Alert

Click on one of the radio buttons to see a message

1: 0 2: 0 3: 0

Yêu cầu:

Khi Click chuột vào Radio Button thì có các thông điệp (Message) tương ứng

2. Bài tập 2

Button Alert

Push this button to make a message appear.

message

Khi Click chuột vàonút Message thì hiện lên câu chào

```
<form>
<input type="button" value="message" onClick="alert('How are you'); return true">
</form>
```

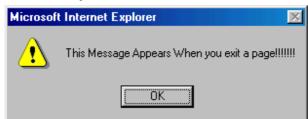
3.BàI tập 3

Chào tam biêt

Khi đóng cửa sổ trình duyệt hoặc chuyển sang trang Web khác thì xuất hiện lời chào tạm biệt

BACK

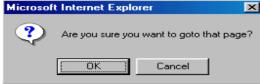
Click the back to see the Example!



```
<html>
<head>
<title>Click the back to see the Example</title>
<meta name="GENERATOR" content="Copyright Next Step Software 1998 (c)">
</head>
<body onUnload="window.alert('This Message Appears When you exit a page!!!!!!')">
<form>
<input TYPE="button" VALUE=" BACK " onClick="history.go(-1)"> 
</form>
Click the back to see the Example!
</body>
</html>
```

4. Bài tập 4

Yêu cầu ; Khi nhấp vào liên kết thì Windows hỏi .Nếu OK thì ta link đến trang đó ,không thì ta không là gì cả



http://www.cidnet.vn

```
<script>
function rusure(){
    question = confirm("YOUR CONFIRM MESSAGE")
    if (question !="0"){
        top.location = "YOUR LINK GOES HERE"
    }
}
</script>

Now put this anywhere in your page and change YOUR LINK DESCRIPTION
</a>
<a href=""" onClick="rusure(); return false;">YOUR LINK DESCRIPTION</a>
```

5.Bài tập 5

Hãy tạo một chương trình máy tính điện tử như sau :



```
<html>
<head><script LANGUAGE="JavaScript">
function a_plus_b(form) {
a=eval(form.a.value)
b=eval(form.b.value)
c=a+b
form.ans.value = c
function a_minus_b(form) {
a=eval(form.a.value)
b=eval(form.b.value)
c=a-b
form.ans.value=c
function a_times_b(form) {
a=eval(form.a.value)
b=eval(form.b.value)
c=a*b
form.ans.value=c
function a_div_b(form) {
a=eval(form.a.value)
b=eval(form.b.value)
c=a/b
form.ans.value = c
function a_pow_b(form) {
a=eval(form.a.value)
b=eval(form.b.value)
c=Math.pow(a, b)
form.ans.value = c
</script>
<title>E:\button\windowsizer_.htm</title>
</head>
<body>
```

```
<form name="formx">
  <input type="text" size="4" value="12" name="a"> <input type="button" value=" + "
  onClick="a_plus_b(this.form)"> <input type="button" value=" - "
  onClick="a_minus_b(this.form)"> <input type="button" value=" x "
  onClick="a_times_b(this.form)"> <input type="button" value=" / "
  onClick="a_div_b(this.form)"> <input type="button" value=" ^ "
  onClick="a_pow_b(this.form)"> <input type="number" size="4" value="3" name="b"> = <input type "number" value="0" name="ans" size="9"> 
  </form>
  </body>
  </html>
```

6.bàI tập 6:

Tao một chương trình mô tả Lich để bàn như sau:

November 2002								
Su	M Tu W Ti		Th	F	Sa			
						2		
3	4	5	6	7	8	9		
						16		
17	18	19	20	21	22	23		
24	25	26	27	28	29	30		

```
<html>
<head>
<title>Next Step Software - Java Script Number - 14</title>
<meta name="GENERATOR" content="(c) 1998 Copyright Next Step Software">
</head>
<body>
<script LANGUAGE="JavaScript">
<!-- Begin
monthnames = new Array("January", "Februrary", "March", "April", "May", "June",
"July", "August", "September", "October", "November", "December");
var linkcount=0;
function addlink(month, day, href) {
var entry = new Array(3);
entry[0] = month;
entry[1] = day;
entry[2] = href;
this[linkcount++] = entry;
Array.prototype.addlink = addlink;
linkdays = new Array();
monthdays = new Array(12);
monthdays[0]=31;
monthdays[1]=28;
monthdays[2]=31;
```

```
monthdays[3]=30;
monthdays[4]=31;
monthdays[5]=30;
monthdays[6]=31;
monthdays[7]=31;
monthdays[8]=30;
monthdays[9]=31;
monthdays[10]=30;
monthdays[11]=31;
todayDate=new Date();
thisday=todayDate.getDay();
thismonth=todayDate.getMonth();
thisdate=todayDate.getDate();
thisyear=todayDate.getYear();
this year = this year % 100;
this year = ((this year < 50) ? (2000 + this year) : (1900 + this year));
if (((this year \% 4 == 0)
&&!(thisyear \% 100 == 0))
\|(\text{thisyear }\% \ 400 == 0)) \ \text{monthdays}[1] ++;
startspaces=thisdate;
while (startspaces > 7) startspaces-=7;
startspaces = thisday - startspaces + 1;
if (startspaces < 0) startspaces+=7;
document.write("
document.write("bordercolor=black><font color=black>");
document.write("<center><strong>"
+ monthnames[thismonth] + " " + thisyear
+ "</strong></center></font><");
document.write("");
document.write("Su");
document.write("M");
document.write("Tu");
document.write("W");
document.write("Th");
document.write("F");
document.write("Sa");
document.write("");
document.write("");
for (s=0;s<startspaces;s++) {
document.write(" ");
count=1:
while (count <= monthdays[thismonth]) {</pre>
for (b = \text{startspaces}; b < 7; b + +) 
linktrue=false;
document.write("");
for (c=0;c<linkdays.length;c++) {
if (linkdays[c] != null) {
```

```
if ((linkdays[c][0]==thismonth + 1) && (linkdays[c][1]==count)) {
document.write("<a href=\"" + linkdays[c][2] + "\">");
linktrue=true;
 }
if (count==thisdate) {
document.write("<font color='FF0000'><strong>");
if (count <= monthdays[thismonth]) {</pre>
document.write(count);
else {
document.write(" ");
if (count==thisdate) {
document.write("</strong></font>");
if (linktrue)
document.write("</a>");
document.write("");
count++;
document.write("");
document.write("");
startspaces=0;
document.write("");
// End -->
</script>
</body>
</html>
```

7.Bài tập 7

Gửi thư

E-Mail Someone!

E-Mail Someone!

Khi Click vào link hoặc button thì cho phép ta nhập vào địa chỉ người nhận và subject.

```
<HEAD>

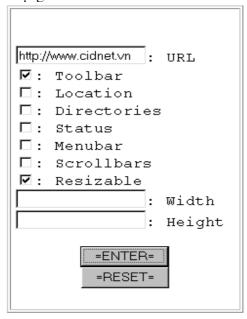
<SCRIPT LANGUAGE="JavaScript">
<!-- Begin
function mailsome1(){
  who=prompt("Enter recipient's email address: ","antispammer@earthling.net");
  what=prompt("Enter the subject: ","none");</pre>
```

```
if (confirm("Are you sure you want to mail "+who+" with the subject of "+what+"?")==true){
parent.location.href='mailto:'+who+'?subject='+what+";
}
}
// End -->
</SCRIPT>

<BODY>
<CENTER>
<a href='javascript:mailsome1()'>E-Mail Someone!</a>
<FORM>
<input type=button value="E-Mail Someone!" onClick="mailsome1()">
</FORM>
</CENTER>
```

8.Bài tập 8

Viết chương trình cho phép link đến một trang Web khác trong đó cho phép tuỳ chọn các đối tượng Window



```
<HEAD>
<SCRIPT LANGUAGE="JavaScript">
<!-- Begin
function customize(form) {
var address = document.form1.url.value;
var op tool = (document.form1.tool.checked== true) ? 1 : 0;
var op loc box = (document.form1.loc box.checked == true) ? 1 : 0;
var op dir = (document.form1.dir.checked == true) ? 1 : 0;
var op_stat = (document.form1.stat.checked == true) ? 1 : 0;
var op menu = (document.form1.menu.checked == true) ? 1 : 0;
var op scroll = (document.form1.scroll.checked == true) ? 1 : 0;
var op_resize = (document.form1.resize.checked == true) ? 1 : 0;
var op wid = document.form1.wid.value;
var op heigh = document.form1.heigh.value;
var option = "toolbar="+ op_tool +",location="+ op_loc_box +",directories="
+ op_dir +",status="+ op_stat +",menubar="+ op_menu +",scrollbars="
+ op_scroll +",resizable=" + op_resize +",width=" + op_wid +",height="+ op_heigh;
var win3 = window.open("", "what_I_want", option);
var win4 = window.open(address, "what_I_want");
function clear(form) {
document.form1.wid.value="";
document.form1.heigh.value="";
// End -->
</SCRIPT>
<BODY>
<CENTER>
<h4>Please choose from the following selections to customize your window</h4>
<TABLE cellpadding=5 border><TR><TD><PRE>
<FORM name=form1 ACTION="javascript:" METHOD="POST">
<INPUT TYPE="text" NAME="url" value="http://www.geocities.com" >: URL
<INPUT TYPE="checkbox" NAME="tool">: Toolbar
<INPUT TYPE="checkbox" NAME="loc box">: Location
<INPUT TYPE="checkbox" NAME="dir">: Directories
<INPUT TYPE="checkbox" NAME="stat">: Status
<INPUT TYPE="checkbox" NAME="menu">: Menubar
<INPUT TYPE="checkbox" NAME="scroll">: Scrollbars
<INPUT TYPE="checkbox" NAME="resize">: Resizable
<INPUT TYPE="text" NAME="wid" value= >: Width
<INPUT TYPE="text" NAME="heigh" value=>: Height
<BR><CENTER>
<INPUT TYPE="button" VALUE="=ENTER=" OnClick="customize(this.form)">
<INPUT TYPE="reset" VALUE="=RESET=" onClick="clear(this.form)">
</PRE></TD></TR></
</FORM>
```

|--|--|--|

10. Bài 10.

kiểm tra tính hợp lệ của thông tin nhập vào

Name:	Age:	Submit

```
<HEAD>
<SCRIPT LANGUAGE="JavaScript">
<!-- Begin
function validate(){
var digits="0123456789"
var temp
if (document.testform.Name.value=="") {
alert("No Name!")
return false
if (document.testform.age.value=="") {
alert("Invalid Age !")
return false
for (var i=0;i<document.testform.age.value.length;i++){
temp=document.testform.age.value.substring(i,i+1)
if (digits.indexOf(temp)==-1){
alert("Invalid Age !")
return false
   }
 }
return true
// End -->
</SCRIPT>
<BODY>
<FORM name="testform" onSubmit="return validate()">
Name:<input type="text" size=30 name="Name">
Age:<input type="text" size=3 name="age">
<input type="submit" value="Submit">
</FORM>
```

11. BàI tâp 11.

Tạo dòng chữ chạy trên thanh trạng thái:

Welcome to Total..

,	-	 - mayer	-		-///	
<html></html>						
<pre><head><script language="JavaScript"></pre></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td><! Begin</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table></script></head></pre>						

Welcome to Total JavaScript 99! You can find all the scripts v

```
function scrollit(seed) {
var m1 = "Welcome to Total JavaScript 99! ";
var m2 = "..... You can find all the scripts you need here! ";
var m3 = ".....Enjoy ";
var m4 = "";
var msg=m1+m2+m3+m4;
var out = " ";
var c = 1;
if (seed > 100) {
seed--;
cmd="scrollit("+seed+")";
timerTwo=window.setTimeout(cmd,100);
else if (seed \leq 100 \&\& seed > 0) {
for (c=0; c < seed; c++) {
out+=" ";
}
out+=msg;
seed--;
window.status=out;
cmd="scrollit("+seed+")";
timerTwo=window.setTimeout(cmd,100);
else if (seed \leq 0) {
if (-seed < msg.length) {
out+=msg.substring(-seed,msg.length);
seed--;
window.status=out;
cmd="scrollit("+seed+")";
timerTwo=window.setTimeout(cmd,100);
}
else {
window.status=" ";
timerTwo=window.setTimeout("scrollit(100)",75);
  }
// End -->
</script>
<title></title>
</head>
<body onLoad="scrollit(100)">
</body>
</html>
```

12. BàI tập 12

Tạo dòng chữ chạy trong TextBox

And this will be the third_

```
<script language="JavaScript">
   <!-- begin
   var max=0;
   function textlist()
   max=textlist.arguments.length;
   for (i=0; i<max; i++)
   this[i]=textlist.arguments[i];
   tl=new textlist
    "This is a message",
    "Another one",
    "And this will be the third",
    "And the fourth is the last!"
   );
   var x=0; pos=0;
   var l=tl[0].length;
   function textticker()
    document.tickform.tickfield.value=tl[x].substring(0,pos)+"_";
    if(pos++==1) \{ pos=0; setTimeout("textticker()",1000); x++; \}
    if(x==max) x=0; l=tl[x].length; } else
    setTimeout("textticker()",50);
   // end -->
   </script>
<html>
<head>
<title>E:\javascripts\scrolls\classic_.htm</title>
</head>
<body onLoad="textticker()">
<form name="tickform">
 <input type="text" name="tickfield" size="40">
</form>
</body>
</html>
```

13.Ví dụ 13.

Tạo ngày tháng chạy trên thanh trạng thái

```
(2)
                    Tuesday, Nov. 5th, 3:15 P.M. This is yet another J
                                                                My Computer
<html>
<head>
<title>E:\scrolls\classic_.htm</title>
</head>
<body>
<script LANGUAGE="JavaScript">
<!-- Begin
var osd = "
osd +="This is yet another JavaScript Scroll example";
osd +="from the good folks at The JavaScript Source.";
osd +="This one has the date and time at the front.";
osd +="Did you notice? It's coming around again, look! ";
osd +="
var timer;
var msg = "";
function scrollMaster () {
msg = customDateSpring(new Date())
clearTimeout(timer)
msg += " " + showtime() + " " + osd
for (var i = 0; i < 100; i++){
msg = "" + msg;
scrollMe()
function scrollMe(){
window.status = msg;
msg = msg.substring(1, msg.length) + msg.substring(0,1);
timer = setTimeout("scrollMe()", 200);
function showtime (){
var now = new Date();
var hours= now.getHours();
var minutes= now.getMinutes();
var seconds= now.getSeconds();
var months= now.getMonth();
var dates= now.getDate();
var years= now.getYear();
var timeValue = ""
timeValue += ((months >9)? "": "")
timeValue += ((dates >9)? "": "")
timeValue = (months + 1)
timeValue +="/"+ dates
timeValue +="/"+ years
var ap="A.M."
if (hours == 12) {
ap = "P.M."
```

```
if (hours == 0) {
hours = 12
if(hours >= 13)
hours -= 12;
ap="P.M."
var timeValue2 = " " + hours
timeValue2 += ((minutes < 10) ? ":0":":") + minutes + " " + ap
return timeValue2;
function MakeArray(n) {
this.length = n
return this
monthNames = new MakeArray(12)
monthNames[1] = "January"
monthNames[2] = "February"
monthNames[3] = "March"
monthNames[4] = "April"
monthNames[5] = "May"
monthNames[6] = "June"
monthNames[7] = "July"
monthNames[8] = "August"
monthNames[9] = "Sept."
monthNames[10] = "Oct."
monthNames[11] = "Nov."
monthNames[12] = "Dec."
daysNames = new MakeArray(7)
daysNames[1] = "Sunday"
daysNames[2] = "Monday"
daysNames[3] = "Tuesday"
daysNames[4] = "Wednesday"
daysNames[5] = "Thursday"
daysNames[6] = "Friday"
daysNames[7] = "Saturday"
function customDateSpring(oneDate) {
var the Day = days Names [one Date.get Day() +1]
var theDate =oneDate.getDate()
var theMonth = monthNames[oneDate.getMonth() +1]
var dayth="th"
if ((theDate == 1) \| (theDate == 21) \| (theDate == 31)) {
dayth="st";
if ((theDate == 2) || (theDate == 22)) {
dayth="nd";
if ((theDate == 3) || (theDate == 23)) {
```

```
dayth="rd";
return theDay + ", " + theMonth + " " + theDate + dayth + ","
scrollMaster();
// End -->
</script>
</body>
</html>
```

14. Ví dụ 14.

Tạo dòng chữ bay vào thanh trạng tháI từng chữ cái một

```
<html>
<head><script LANGUAGE="JavaScript">
<!-- Begin
function scroll(jumpSpaces,position) {
var msg = "Another JavaScript Example! Do you like it?" var out = ""
if (killScroll) {return false}
for (var i=0; i<position; i++){
```

```
out += msg.charAt(i)}
for (i=1;i<jumpSpaces;i++) {
out += " "}
out += msg.charAt(position)
window.status = out
if (jumpSpaces <= 1) {
position++
if (msg.charAt(position) == ' ') {
position++ }
jumpSpaces = 100-position
else if (jumpSpaces > 3) {
jumpSpaces *= .75}
else {
jumpSpaces--}
if (position != msg.length) {
var cmd = "scroll(" + jumpSpaces + "," + position + ")";
scrollID = window.setTimeout(cmd,5);
}
else {
scrolling = false
return false}
return true;
function startScroller() {
if (scrolling)
if (!confirm('Re-initialize snapIn?'))
return false
killScroll = true
scrolling = true
var killID = window.setTimeout('killScroll=false',6)
scrollID = window.setTimeout('scroll(100,0)',10)
return true
var scrollID = Object
var scrolling = false
var killScroll = false
// End -->
</script>
<title></title>
</head>
<!-- STEP TWO: Add the onLoad event handler to the BODY tag -->
<body onLoad="startScroller()">
</body>
</html>
```

15.Bài tập 15

Tạo 3 button như sau:

Open New Window

Close New Window

Close Main Window

16.BàI tập 16

Cửa sổ tự trượt

```
<script language="JavaScript1.2">
var currentpos=0,alt=1,curpos1=0,curpos2=-1
function initialize(){
startit()
function scrollwindow(){
if (document.all)
temp=document.body.scrollTop
temp=window.pageYOffset
if (alt==0)
alt=1
else
alt=0
if (alt==0)
curpos1=temp
else
curpos2=temp
```

```
if (curpos1!=curpos2){
   if (document.all)
   currentpos=document.body.scrollTop+1
   else
   currentpos=window.pageYOffset+1
   window.scroll(0,currentpos)
   }
   else{
    currentpos=0
    window.scroll(0,currentpos)
   }
} function startit(){
   setInterval("scrollwindow()",10)
   }
   window.onload=initialize
   </script>
```

17. Bài tập 17

Tạo Combo box có fulldown menu

```
<html>
<head><script LANGUAGE="JavaScript">
<!-- Begin
function formHandler(){
var URL = document.form.site.options[document.form.site.selectedIndex].value;
window.location.href = URL;
// End -->
</script>
<title>E:\button\pushme_.htm</title>
</head>
<!-- STEP ONE: Paste this code into the BODY of your HTML document -->
<body>
<form name="form">
 <select NAME="site" SIZE="1" onChange="formHandler()">
  <option VALUE>Go to.... </option>
  <option VALUE="http://www.metacrawler.com">Metacrawler 
  <option VALUE="http://www.altavista.digital.com">Altavista 
  <option VALUE="http://www.webcrawler.com">Webcrawler </option>
  <option VALUE="http://www.lycos.com">Lycos </option>
  <option VALUE="http://www.javascriptsource.com">The JavaScript Source </option>
 </select>
</form>
</body>
</html>
```

18 Bài tập 18

Tạo hiệu ứng ; khi đưa chuột vào thí xuất hiện ảnh khác khi đưa ra khỏi ảnh thì hiện ảnh cũ

onMouseOver



onMouse Out

```
<html>
<head>
<title>Document Title</title>
</head>
<body link="ffffff" alink="ffffff" vlink="ffffff">
<font SIZE="+2" FACE="Coronet">
onMouse<b><i>Over</i></font><br/>b></font><br/>b>
<br>
<a href="index.htm" onMouseOver="s.src='_view1.gif" onMouseOut="s.src='_view2.gif""><img
SRC="_view2.gif" name="s" width="158" height="29"></a><br>
<br>>
<fort SIZE="+2" FACE="Coronet">onMouse<b><i>Out</i></fort><br/>font><br/>
<hr>
<br/>b>Pass the mouse over the images </b><br/>br>
<br/><b>Check out the script! See how easy this function is.</b><br>
</body>
</html>
```

19. Bài tâp 19

Tao nút bấm khi người dùng bấm vào thì hiện mã nguồn chương trình

click me for the source of the page

```
<FORM>
<INPUT TYPE=button NAME="view" VALUE="click me for the source of the page "
OnClick='window.location="view-source:" +window.location.href'>
</FORM>
```

20.Bài tâp 20

Sử dụng Cookies để đếm số lần truy cập trang Web

```
<html>
<head><script LANGUAGE="JavaScript">
<!-- Begin
function GetCookie (name) {
  var arg = name + "=";
  var alen = arg.length;
  var clen = document.cookie.length;
  var i = 0;
  while (i < clen) {</pre>
```

```
var j = i + alen;
if (document.cookie.substring(i, j) == arg)
return getCookieVal (j);
i = document.cookie.indexOf(" ", i) + 1;
if (i == 0) break;
return null;
function SetCookie (name, value) {
var argv = SetCookie.arguments;
var argc = SetCookie.arguments.length;
var expires = (argc > 2)? argv[2]: null;
var path = (argc > 3)? argv[3]: null;
var domain = (argc > 4)? argv[4]: null;
var secure = (argc > 5)? argv[5]: false;
document.cookie = name + "=" + escape (value) +
((expires == null) ? "" : ("; expires=" + expires.toGMTString())) +
((path == null) ? "" : ("; path=" + path)) +
((domain == null) ? "" : ("; domain=" + domain)) +
((secure == true) ? "; secure" : "");
function DeleteCookie (name) {
var exp = new Date();
exp.setTime (exp.getTime() - 1);
var cval = GetCookie (name);
document.cookie = name + "=" + cval + "; expires=" + exp.toGMTString();
var expDays = 30;
var exp = new Date();
exp.setTime(exp.getTime() + (expDays*24*60*60*1000));
function amt(){
var count = GetCookie('count')
if(count == null) {
SetCookie('count','1')
return 1
}
else {
var newcount = parseInt(count) + 1;
DeleteCookie('count')
SetCookie('count',newcount,exp)
return count
 }
function getCookieVal(offset) {
var endstr = document.cookie.indexOf (";", offset);
if (endstr == -1)
endstr = document.cookie.length;
return unescape(document.cookie.substring(offset, endstr));
```

```
| // End -->
| </script>
| <title>E:\cookies\name_.htm</title>
| </head>
| <body>
| <script LANGUAGE="JavaScript">
| <!-- Begin |
| document.write("You've been here <b>" + amt() + "</b> times.")
| // End -->
| </script>
| </body>
| </html>
```