

BÀI TẬP BUỔI 4

1.

Example 13

```
<HTML>
  <HEAD>
    <SCRIPT LANGUAGE="JavaScript">
      re = /Time/
      str = re.test ("Time and Tide wait for none");
      window.alert(str);
    </SCRIPT>
  </HEAD>
</HTML>
```

2.

Example 14

```
<HTML>
  <HEAD>
    <SCRIPT LANGUAGE="JavaScript">
      re = /[xyz]/
      str = re.exec("It is very coooooold");
      window.alert(str);
    </SCRIPT>
  </HEAD>
</HTML>
```

```
<html>
  <head>
    <script language="JavaScript">
      <!--
        emp = new Array(3)
        emp[0] = "Ryan Dias"
        emp[1] = "Graham Browne"
        emp[2] = "David Greene";
        document.writeln(emp[0]);
        document.writeln(emp[1]);
        document.writeln(emp[2]);
      //-->
    </script>
  </head>
</html>
```

- 3.
- 4.

Example 16

```
<html>
  <head>
    <script language="JavaScript">
      <!--
        emp = new Array(3)
        emp[0] = "Ryan Dias"
        emp[1] = "Graham Browne"
        emp[2] = "David Greene";
        emp.sort();
        document.writeln(emp[0]);
        document.writeln(emp[1]);
        document.writeln(emp[2]);
      //-->
    </script>
  </head>
</html>
```

Example 17

```
<HTML>

<HEAD>

<SCRIPT LANGUAGE = "JavaScript">

<!--

MyArray = new Array(5,5);
MyArray[0, 0] = "Ryan Dias";
MyArray[0, 1] = 1;
MyArray[1, 0] = "Mike Donne";
MyArray[1, 1] = 2;
MyArray[2, 0] = "Joe Dean";
MyArray[2, 1] = 3;
MyArray[3, 0] = "Robert Watey";
MyArray[3, 1] = 4;
document.write ("The name is " + MyArray[3, 0]);
document.write("and the code is " + MyArray[3,1]);

-->

</SCRIPT>

</HEAD>

</HTML>
```

5.

Example 20

```
<html>
<head>
  <script language="JavaScript">
    <!--
    function hello( )
    {
      document.write ('Hello. ');
      document.write ('Welcome to the hello( ) function. ');
      return;
    }
    function sum_up ( one, two)
    {
      var result = one + two;
      return result;
    }
    function sum_all ( )
    {
      var loop=0, sum=0;
      for ( loop = arguments.length-1; loop >=0; loop--)
        sum += arguments[loop];
      return sum;
    } // Add it up now

    hello ( );
    var total = sum_up(7, 9);
    document.write ( total + ' ' + sum_up ( 8, 15));
    document.write ( ' ' + sum_all ( 1, 5, 8, 7, 6) );
    //-->
  </script>
</head> </html>
```

6.

Example 20

```
<html>
<head>
  <script language="JavaScript">
    <!--
function hello( )
{
  document.write ( 'Hello.' );
  document.write ( 'Welcome to the hello( ) function.' );
  return;
}
function sum_up ( one, two)
{
  var result = one + two;
  return result;
}
function sum_all ( )
{
  var loop=0, sum=0;
  for ( loop = arguments.length-1; loop >=0; loop--)
    sum += arguments[loop];
  return sum;
} // Add it up now

hello ( );
var total = sum_up(7, 9);
document.write ( total + ' ' + sum_up ( 8, 15));
document.write ( ' ' + sum_all ( 1, 5, 8, 7, 6) );
    </script>
  </head> </html>
```

7.

8.

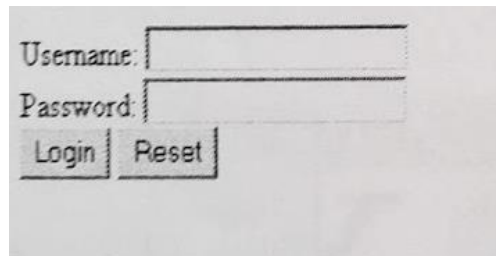
```
<html>
<script language="JavaScript">
function check()
{
if (myform.age.value < 18)
{
document.writeln("<P><H4><I> You are not eligible</I></H4></
P>" + myform.name.value);
}
else
{
document.writeln("<H4><I>You are eligible</I></
H4>" + myform.name.value);
}
}
}
```

```
function losefocus()
{
if (myform.name.value == "")
{
alert("You can not leave the name field blank");
myform.name.focus();
return false; }
}
</script><body><form name="myform" onChange="losefocus()">
<P><h5><i>Enter name:<i><h5>
<input name="name" type="text" size="35" onBlur="losefocus()"></P>
<h5><i>Enter age:<i><h5>
<input name="age" type="text" size="5"></P>
<input type="button" value="Check" onClick="check()">
<input type="reset" value="Clear">
</form>
</body>
<html>
```

9.

```
<HTML>
<HEAD>
<TITLE> New Document </TITLE>
</HEAD>
<BODY BGCOLOR="#FFFFFF">
<script>
var url_names = new Array("yahoo.com","hotmail.com","google.com");
var a_url;
for (var loop = 0; loop < url_names.length; loop++)
{
    // make the name of a url, for example http://www.hits.org/

a_url = "http://www." + url_names[loop] + "/";
// open a window
var new_window=open(a_url,"new_window","width=300,height=300");
// wait for the click
alert("hit ok for the next site");
}
</script>
</BODY>
</HTML>
```



Username:

Password:

Output hiển thị ra:


```

<HTML>
  <HEAD>
    <script language="JavaScript">
      function dispname(name) {
        alert("Welcome to the world of JavaScript, " + name);
      }
    </script>
  </HEAD>
  <FORM>
    <B>Enter your name:</B>
    <INPUT TYPE = "text" NAME = "text1" SIZE = 20
      onChange="dispname(this.form.text1.value)">
    </FORM>
  </HTML>

```

10.

```

<html>
  <head>
    <script language="JavaScript">
      function show(value) {
        alert("You clicked " + value + " button");
      }
    </script>
  </head>
  <FORM>
    <B>Enter your name:</B>
    <INPUT TYPE = "button" NAME = "button1" value = "Click me"
      SIZE = 20 onClick="show(this.form.button1.value)">
    </FORM>
  </html>

```

11.

```

<HTML>
  <HEAD>
    <SCRIPT LANGUAGE = "JavaScript">
      color = new Array("red", "blue", "green");
      for (var prop in color) {
        var record = "color " ;
        record += prop + " = " + color[prop] + "<BR>"
        document.write(record)
      }
    </SCRIPT>
  </HEAD>
</HTML>

```

12.

```
<HTML>
  <HEAD>
    <SCRIPT LANGUAGE = "JavaScript">
      var a, b, c;
      var r=10;
      with (Math) {
        a = PI * r * r;
        b = r * cos(PI);
        c = r * sin(PI/2);
      }
      document.write (a + "<BR>");
      document.write (b + "<BR>");
      document.write (c + "<BR>");
    </SCRIPT>
  </HEAD>
</HTML>
```

13.

```
<HTML>
  <HEAD>
    <SCRIPT LANGUAGE="JavaScript">
      function employee(name, code, designation) {
        this.name = name
        this.code = code
        this.designation = designation
      }
      newemp = new employee("John Dias", "A001", "Officer");
      document.write("Employee name : " + newemp.name + "<BR>");
      document.write("Employee code : " + newemp.code + "<BR>");
      document.write("Designation : " + newemp.designation);
    </SCRIPT>
  </HEAD>
</HTML>
```

14.

15.

```
<HTML>
<HEAD>
  <script language = "Javascript">
    var bstr = "big";
    var sstr = "small";
    var blstr = "bold";
    var blkstr = "blink"
    var ucase = "Uppercase";
    var lcase = "Lowercase";
    document.write ("<BR>This is " + bstr.big() + " text");
    document.write ("<BR>This is " + sstr.small() + " text");
    document.write ("<BR>This is " + blstr.bold() + " text");
    document.write ("<BR>This is " + blkstr.blink() + " text");
    document.write ("<BR>This is " + ucase.toUpperCase() + " text");
    document.write ("<BR>This is " + lcase.toLowerCase() + " text");
  </script>
</HEAD>
</HTML>
```

16.

```
<HTML>
  <SCRIPT LANGUAGE = "JavaScript">
    function doCalc(x)
    {
      var a;
      a = Math.PI * x * x;
      alert ("The area of a circle with a radius of " + x + " "
        "is" + " " + a);
    }
  </SCRIPT>
  <BODY bgColor = white>
    <FORM>
      Enter the radius of the circle :
      <INPUT TYPE = TEXT size = 5 name = "rad">
      <BR><BR>
      <INPUT type = button value = "Display Area"
        onclick="doCalc(rad.value)">
      </FORM>
    </BODY>
  </HTML>
```

```

<html>
<head>

  <script language="JavaScript">
    function show(value)
    {
      with(Math)
        document.write("Absolute value of a number "+ value+
          is :"+abs(eval(value)));
    }
  </script>
</head>

<FORM>
  <B>Enter Value:</B>
  <INPUT TYPE = "text" NAME = "text1" SIZE = 20>
  <P>
  <INPUT TYPE = "button" NAME = "button1" value="Absolute
  Value" onClick="show(this.form.text1.value)"
</FORM>
</html>

```

17.

```

<HTML>
  <HEAD>
    <SCRIPT language="JavaScript">
      <!--
      function disptime() {
        var time = new Date()
        var hour = time.getHours()
        var minute = time.getMinutes()
        var second = time.getSeconds()
        var temp = "" + ((hour > 12) ? hour - 12 : hour)
        temp += ((minute < 10) ? "0" : "") + minute
        temp += ((second < 10) ? "0" : "") + second
        temp += (hour >= 12) ? " P.M." : " A.M."
        document.MyPage.digits.value = temp
        id = setTimeout("disptime()",1000)
      }
      //-->
    </SCRIPT>
  </HEAD>
  <BODY onLoad="disptime()">
    <P><font color = hotpink size = 4>Time and Tide
    wait for none.
    <BR><BR>
    <P> The time is displayed on the page.
    <BR><BR><BR>
    <FORM NAME="MyPage">
      <INPUT TYPE="text" NAME="digits" SIZE=12 VALUE="">
    </FORM>
  </BODY>
</HTML>

```

18.

```
<HTML>
<HEAD>
  <TITLE> TODAY'S DATE </TITLE>
</HEAD>
<BODY>
  <script language="JavaScript">
    mydate=new Date()
    document.write("Today's Date is: "+ mydate.getDate());
  </script>
</BODY>
</HTML>
```

19.

```
<HTML>
<BODY bgColor = white>
<SCRIPT LANGUAGE = "JavaScript">
  num1=10
  num2=20
  with(Math)
    document.write("Between number 1 -"+num1+" and number 2 -
    "+num2+" maximum number is : "+max(num1,num2));
</SCRIPT>
</BODY>
</HTML>
```

20.