

Javascript



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UCET 2000

Javascript at UCET: A Quiz

The following document shows the Javascript we will be using in the class today with the addition of comments about each section of the code. The assignment for the class is to add an additional five questions to the quiz. On the disk you have been provided is a copy of the code only without the comments.

```
<html>
<head>
<script language="javascript"> //This line denotes the type of script we are using

//This is a comment line. The browser doesn't recognize anything after the initial // on this line.

//////////The next three lines denote variables we will be using in the script.
//////////Variables are containers that hold values. Standard variables can only hold one value at a time.
//////////Arrays are special variable containers that can hold multiple values.
q=new Array(5); var y=0;
x=new Array(5);

//////////This next section is the actual program that will run when we hit the submit button on
//////////our form.
//////////It evaluates the answer given by the student and creates a value for the variables created in the
//////////variable section above.
function gradetest(){

var count;
if (q[0]=="Bill Clinton"){x[0]=q[0]+" is the correct answer to Question 1.";y=y+1}
else {x[0]=q[0]+" is not the correct answer to Question 1."};
if (q[1]=="Socks"){x[1]=q[1]+" is the correct answer to Question 2.";y=y+1}
else {x[1]=q[1]+" is not the correct answer to Question 2."};
if (q[2]=="1"){x[2]=q[2]+" is the correct answer to Question 3.";y=y+1}
else {x[2]=q[2]+" is not the correct answer to Question 3."};
if (q[3]=="New York"){x[3]=q[3]+" is the correct answer to Question 4.";y=y+1}
else {x[3]=q[3]+" is not the correct answer to Question 4."};
if (q[4]=="Inflation"){x[4]=q[4]+" is the correct answer to Question 5.";y=y+1}
else {x[4]=q[4]+" is not the correct answer to Question 5."};

//////////After evaluating the student responses, we assemble the values into one variable which will be
//////////used to print the response web page.
z=x[0]+"<br>";for(count=1;count<5;count++){z=z+" "+x[count]+"<br>";z=z+"<p>You scored
<h1>"+y+"/5";

//////////The next line of code actually writes the new page.
document.write(z);document.close();
}

</script>
</head>
<body>
<!-- Within HTML comments are written like this. -->
<!-- This is the form that students see when they come to the page. This is where the students will
answer their questions. -->
```

```
<form method="post" name="quiz">
1. What is the name of the President of the United States?
<dl>
<!-- The onClick Event Handler places the answer the student gives in the variable container for
that question. -->
<dd><input type="radio" name="quest1" onClick="q[0]='Bill Clinton'">A. Bill Clinton<br>
<dd><input type="radio" name="quest1" onClick="q[0]='Ronald Reagan'">B. Ronald Reagan<br>
<dd><input type="radio" name="quest1" onClick="q[0]='Jimmy Carter'">C. Jimmy Carter<br>
<dd><input type="radio" name="quest1" onClick="q[0]='Lyndon Johnson'">D. Lyndon Johnson<br>
</dl>
<p>
2. What article of clothing is named after the President's cat?
<dl>
<dd><input type="radio" name="quest2" onClick="q[1]='Shoes'">A. Shoes<br>
<dd><input type="radio" name="quest2" onClick="q[1]='Slacks'">B. Slacks<br>
<dd><input type="radio" name="quest2" onClick="q[1]='Skirts'">C. Skirts<br>
<dd><input type="radio" name="quest2" onClick="q[1]='Socks'">D. Socks<br>
</dl>
<p>
3. How many times in the past 30 years has a Democrat been elected to consecutive terms?
<dl>
<dd><input type="radio" name="quest3" onClick="q[2]='1'">A. 1<br>
<dd><input type="radio" name="quest3" onClick="q[2]='2'">B. 2<br>
<dd><input type="radio" name="quest3" onClick="q[2]='3'">C. 3<br>
<dd><input type="radio" name="quest3" onClick="q[2]='4'">D. 4<br>
</dl>
<p>
4. Which senate seat is Hillary Clinton running for?
<dl>
<dd><input type="radio" name="quest4" onClick="q[3]='New York'">A. New York<br>
<dd><input type="radio" name="quest4" onClick="q[3]='New Jersey'">B. New Jersey<br>
<dd><input type="radio" name="quest4" onClick="q[3]='Delaware'">C. Delaware<br>
<dd><input type="radio" name="quest4" onClick="q[3]='Washington'">D. Washington<br>
</dl>
<p>
5. Why is the Federal Reserve Board raising interest rates?
<dl>
<dd><input type="radio" name="quest5" onClick="q[4]='Inflation'">A. Inflation<br>
<dd><input type="radio" name="quest5" onClick="q[4]='Deflation'">B. Deflation<br>
<dd><input type="radio" name="quest5" onClick="q[4]='Emancipation'">C. Emancipation<br>
<dd><input type="radio" name="quest5" onClick="q[4]='Decapitation'">D. Decapitation<br>
</dl>
<p>
<!-- This line is where the buttons are that submit this form and the Event Handler which will run
our program. -->
<input type="submit" value="Click Here to Grade Test." onclick="gradetest()"><input type="Reset">

</form>

</body>
</html>
```