

JavaScriptQuiz

1. var x = {author: "Wait Whitman", title: "Leaves of Grass"};
var xAuthor = x.author;
alert(xAuthor);

What should go in the blank in order to set xAuthor to the author property of x? I.e. the alert will print "Wait Whitman".
You must use x somehow. You may not just put in the blank "Wait Whitman" or a variant thereof.

2. var i;
for (i = 10; i > -1; i--=2){
alert(i);
}

What will appear in the alerts and in what order? 10, 8, 4, 6, 2, 0

3. Given a String like
s = "Because she was wife to the tall preacherman, pentecostongued"
I want to alert each letter individually.

Should I do:
A. var i;
for (i = 0; i <= s.length; i++){
alert(s[i]);
}

or
B. var i;
for (i = 0; i < s.length; i++){
alert(s[i]);
}

For full credit, you must also explain WHY.
Because i starts counting at 0 but s.length starts at 1 so i <= s.length will give an extra value not defined

4. Given
function foo(bar){
alert(bar * bar);
}

What happens when JavaScript runs the following snippet of code?
foo(0);
! I will alert 0 * 0 = 0

5. Given
function foo(bar){
alert(bar * bar);
}

Why won't the following line of code run properly?
foo(0);

Because foo() is not defined
Page 1

uppercase P
lowercase p

JavaScript doesn't equal E with f

They are different

6. Given a variable called x, write a snippet of code that does the following.

Should x equal "Dragonborn", alert to the user "Skyrim"
Should x equal "Pikachu", alert to the user "Pokemon"
Otherwise, alert to the user "???"

7. function ocaptain(myCaptain){
 alert(myCaptain);
}

ocaptain("Hook");

Identify a function ARGUMENT in this snippet and what line of code it is on.

8. var x = "Harry" == "Sally";

x in this case is what TYPE of variable (I do not want its value).

9. The function fireworks in the following snippet

function fireworks(){

 return "fireworks";

}

function baby(){

 alert("Baby you're a " + fireworks());

}

is known as this sort of facilitative function?

10. Given the following snippet:

var s = "I first surmized the Horses' Heads\where toward Eternity";
var

Fast Track Test 1

February 18, 2015

If you do not understand a question, or think you have found an error, please let me know!

1 Boolean Logic

1. Define how the following operations work, given two boolean variables X and Y (like when is X or Y true). You may use sentences or truth tables.

- X AND Y Returns true if both X and Y are true
- X OR Y Returns true if X or Y is true
- NOT X If X is true, NOT X is false. If X is false, NOT X is true
- X Implies Y A is true, B is true. A is false, B is true. A is true, B is false. A is false, B is false.

2. You meet a man named Kevin Bacon on the island of Knights and Knaves. However, he might be a tourist - aka, he sometimes tells lies and sometimes tell truths, like normal people.

Kevin Bacon says, "My name has the word Bacon in it."

Kevin Bacon says, "If one is named Kevin, their last name must be Bacon."

Is Kevin Bacon a knight, knave, or tourist? Explain. *Kevin Bacon is a knight. He is not a knight.*

3. Come up with a boolean statement (via the boolean operators) that satisfies the following truth table:

| | | |
|---|---|--------------------------|
| A | B | YOUR STATEMENT GOES HERE |
| T | T | F |
| T | F | F |
| F | T | F |
| F | F | T |

An example that doesn't work is A AND NOT B

$\neg(A \vee B)$

2 HTML Tags

1. What does the title tag do? *defines what goes in the title of the page*
2. What does the p tag do? *defines a paragraph*
3. What does the ul tag do? *defines an unordered list*

3 Images

4. Which (without modification from css) has larger font: h3 or h5?
5. How do you do a comment in HTML?

4 Links

1. I have the following HTML snippet

```
<div id="honey">
<div id="booboo">
</div>
</div>
```

Write a link tag that jumps to the div tag with the id "booboo". The link should have the text, "Honey Boo Boo"

5 Tables

1. What is the tr tag?
2. What is the td tag?
3. What is the th tag?

6 Forms

1. When do you use a textarea over an input field?
2. Which tag do you use inside an select tag?

7 Bits

1. What are the possible values of a bit?
2. How many bits are in a byte?
3. How many BYTES are in a kilobyte?
4. When should you prefer Unicode over ASCII?

When you need to use more characters than ASCII has

1024

8

0 or 1

for a multi-line input field

7 options / 1 option

Defines a table row
Defines a cell not the reader
Defines a header cell

LG href="#booboo" Honey Boo Boo (Honey Boo Boo L10)

1. What is the purpose of the alt attribute in an image?
2. What does RGB mean?

Red Green Blue

Shel

Booby

8 Ethics

1. I write a program called FlorenceMachine and publish it under a copyleft license. I give it to my friend Magenta. Magenta makes a modification to FlorenceMachine, now called MagentaFlorenceMachine. She gives it to her friend RiffRaff for free, but says he cannot modify it or redistribute it, only use it. Is Magenta violating or upholding the principles of copyleft? Why? *Magenta doesn't copy left says all donations or given by sent condition as given*
2. What is the purpose of the Wayback Machine? *to show past version of websites*

9 Number Bases

1. The following number is in Base 3, 11101₃. What is it in Base 10? *114*
2. The following number is in Base 10, 42. What is it in Base 2? *101010*
3. The following number is in Base 10, 42. What is it in Base 16? *2a*
4. What is the color Green in Hexadecimal? (I want maximum value for Green) *#00FF00*

10 CSS

1. What is the difference between margin and padding? *margin = space around element padding = space between borders and content*
2. What is a monospaced font? *all characters have same width*
3. Given the following HTML snippet:

```
<head>
<title>MyExcerpt</title>
<style>
div { color: green; }
</style>
</head>
<body>
<div>
It ain't easy being
</div>
</body>
```

What sort of style is present: external, embedded, or inline?

embedded

11 Javascript

1. What function do you use to bring up a popup box? *alert(" ");*
2. Write a line of javascript code that would take me to the website <http://www.pbskids.org>

location.assign("http://www.pbskids.org")

12 Fix my HTML

The following two lines of HTML do not work properly. Identify what is wrong with them.

1. `<p>Rage, rage against the dying of the light<p>`
2. `<div>

Do not go gentle
</div>
into that good night.
`

Need to close the span before the div

should be L1P7
the 2nd tag
needs to close