

Signature _____

Name _____

Student ID _____

cs3f_____

Score:

Quiz 5
CSE 3
Fall 2005

Circle the correct answer.

1. Local variables declared in a function:
 - A. can be used outside that function
 - B. cannot be changed within that function
 - C. can be used outside the function, but cannot be changed outside the function
 - D. can only be used in that function

2. Output directly onto a Web page from JavaScript (as if it was HTML code typed in directly onto a Web page) is done with:
 - A. `document.alert()`
 - B. `document.write()`
 - C. `document.print()`
 - D. HTML tags like `<form>`

3. Inputs to a function (the identifiers in the parens of a function definition) are called/known as:
 - A. defaults
 - B. parameters
 - C. globals
 - D. input elements

4. In JavaScript, a line beginning with `//` is a(n):
 - A. assignment statement
 - B. double divide statement
 - C. double quoted string
 - D. comment

5. Which of the following iterates 10 times?
 - A. `for (i = 1; i <= 11; i = i + 1)`
 - B. `for (i = 0; i < 10; i = i + 1)`
 - C. `for (i = 10; i >= 0; i = i - 1)`
 - D. all of the above

6. In JavaScript, the plus sign always means:
 - A. addition
 - B. add 1
 - C. concatenation
 - D. A or C

(Over)

7. `i++` in JavaScript means:
 - A. add the value of `i` to itself and store the result in `i`
 - B. add 1 to `i` and store the result in `i`
 - C. check to see if `i` is positive
 - D. string concatenate with the plus sign

8. Converting sound from continuous to discrete format is done with a(n):
 - A. CD-to-DVD converter
 - B. digital-to-analog converter
 - C. MP3-to-WAV converter
 - D. analog-to-digital converter

9. MPEG works by using JPEG compression on each frame and:
 - A. tracking changes between frames (thus recording only these changes)
 - B. completely eliminated every 3rd frame (thus the name MP3 as the most popular type of MPEG)
 - C. converting all the bits to hexadecimal (since 4 bits can be represented as 1 hexadecimal digit)
 - D. recording the audio in a separate file (thus reducing the size of the MPEG file)

Fill in the blanks.

10. Variables declared outside a function are _____ in scope.

11. A random number generated by `Math.random()` in JavaScript is always between _____ and _____.

12. The Internet friendly size/resolution of pictures we discussed in class is _____ x _____.

13. Humans hear at roughly 20 KHz, so CD-quality sound is digitized at about _____ KHz.

14. The program I used in class to perform a batch resizing of pictures and create an HTML file of thumbnails with links to the resized images is called _____.

15. The question(s) you would most like to see on the Final Exam is: