411 Week 1 review 2

True/False

\_\_\_\_ 1. Suppose console is a Scanner object initialized with the standard input device and feet and inches are int variables. Consider the following statements:

feet = console.nextInt();

inches = console.nextInt();

These statements require the value of feet and inches to be input on separate lines.

\_\_\_\_ 2. Suppose x = 8. After the execution of the statement y = x++; y is 8 and x is 10.

Multiple Choice

\_\_\_\_ 3. Which of the following is NOT a reserved word in Java?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | double | c. | static |
| b. | throws | d. | num |

\_\_\_\_ 4. Suppose x = 4 and y = 2. If the statement

x \*= y;

is executed once, what is the value of x?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 2 | c. | 8 |
| b. | 4 | d. | This is an illegal statement in Java. |

\_\_\_\_ 5. Suppose that you have the declaration:

int num = 94;

double x = 73.92;

String str = "Programming";

What is the output of the following statements?

System.out.println("123456789012345678901234567890");

System.out.printf("%5d%6.2f %15s%n", num, x, str);

|  |  |
| --- | --- |
| a. | 123456789012345678901234567890  94 73.92 Programming |
| b. | 123456789012345678901234567890  94 73.92 Programming |
| c. | 123456789012345678901234567890  94 73.92 Programming |
| d. | 123456789012345678901234567890  94 73.92 Programming |

Questionsw 6-10 below are based on the follwing code snippet.

String sentence;

String str1, str2, str3, str4;

int length1;

sentence = "First exam is on Monday.";

str1 = sentence.substring(6, 12);

str2 = str1.substring(0, 4);

str3 = sentence.replace('i', '#');

str4 = sentence.indexOf("on");

length1 = sentence.length();

\_\_\_\_ 6. Based on the code above, what is the value of str1?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | exam i | c. | exam is |
| b. | exam | d. | on Monday |

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\_\_\_ 7. Based on the code above, what is the value of str2?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Firs | c. | Monda |
| b. | First | d. | exam |

\_\_\_\_ 8. Based on the code above, what is the value of length1?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 20 | c. | 24 |
| b. | 21 | d. | 26 |

\_\_\_\_ 9. Based on the code above, what is the value of str3?

|  |  |
| --- | --- |
| a. | "First exam is on Monday." |
| b. | "F#rst exam #s on Monday." |
| c. | "F#rst exam is on Monday." |
| d. | "#i### #### i###########." |

\_\_\_\_ 10. Based on the code above, what is the value of str4?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 11 | c. | 13 |
| b. | 12 | d. | 14 |