

CS6312: Program Construction II [S18]

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Started on	Sunday, January 14, 2018, 7:37 PM
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Completed on	Sunday, January 14, 2018, 7:47 PM
Time taken	9 mins 13 secs
Grade	10.00 out of 10.00 (100%)

Question 1

Correct

1.00 points out of 1.00

Flag question

Which of the following statements are correct?

Select one or more:

☒ a. new java.math.BigDecimal("343.445"); ✓

☒ b. new java.math.BigInteger("343"); ✓

☐ c. new java.math.BigInteger(343);

☒ d. new java.math.BigDecimal(343.445); ✗

Question 2

Correct

1.00 points out of 1.00

Flag question

What is the print out of the following code?

String s = "Welcome to Java";
s.replaceAll("a", "BB");
System.out.println(s);

Select one:

☒ a. Welcome to Java ✓

☐ b. Welcome to JBBva

☐ c. Welcome to JavBB

☐ d. Welcome to JBBvBB

Question 3

Correct

1.00 points out of 1.00

Flag question

What is the output of the following code?

public class Test {
 public static void main(String[] args) {
 String s1 = new String("Welcome to Java!");
 String s2 = new String("Welcome to Java!");

 if (s1.equals(s2))
 System.out.println("s1 and s2 have the same contents");
 else
 System.out.println("s1 and s2 have different contents");
 }
}

Select one:

☐ a. s1 and s2 have different contents

☒ b. s1 and s2 have the same contents ✓

Question 4

Correct

1.00 points out of 1.00

Flag question

What is the output of Integer.parseInt("10", 2)?

Select one:

☒ a. 2; ✓

☐ b. Invalid statement;

☐ c. 10;

☐ d. 1;

Question 5

Correct

1.00 points out of 1.00

Flag question

Which of the following statements is preferred to create a string "Welcome to Java"?

Select one:

☐ a. String s; s = "Welcome to Java";

☐ b. String s = new String("Welcome to Java");

☐ c. String s; s = new String("Welcome to Java");

☒ d. String s = "Welcome to Java"; ✓

Question 6

Correct

1.00 points out of 1.00

Flag question

Analyze the following code.

class Test {
 public static void main(String[] args) {
 String s;
 System.out.println("s is " + s);
 }
}

Select one:

☒ a. The program has a compilation error because s is not initialized, but it is referenced in the println statement. ✓

☐ b. The program has a runtime error because s is null in the println statement.

☐ c. The program compiles and runs fine.

☐ d. The program has a runtime error because s is not initialized, but it is referenced in the println statement.

Question 7

Correct

1.00 points out of 1.00

Flag question

What is displayed by the following code?

String[] tokens = "A,B;C;D".split("[,;]");
for (int i = 0; i < tokens.length; i++)
 System.out.print(tokens[i] + " ");

Select one:

☐ a. A,B;C;D

☐ b. A B C;D

☒ c. A B C D ✓

☐ d. A B;C;D

Question 8

Correct

1.00 points out of 1.00

Flag question

Assume StringBuilder strBuf is "ABCDEFGF", after invoking _____, strBuf contains "ABCRRRRDEFG".

Select one:

☐ a. strBuf.insert(4, "RRRR")

☐ b. strBuf.insert(2, "RRRR")

☒ c. strBuf.insert(3, "RRRR") ✓

☐ d. strBuf.insert(1, "RRRR")

Question 9

Correct

1.00 points out of 1.00

Flag question

Assume s is " abc ", the method _____ returns a new string "abc".

Select one:

☐ a. s.trim(s)

☒ b. s.trim() ✓

☐ c. trim(s)

☐ d. String.trim(s)

Question 10

Correct

1.00 points out of 1.00

Flag question

What is displayed by the following code?

System.out.print("Hi, ABC, good".matches("ABC ") + " ");
System.out.println("Hi, ABC, good".matches(".*ABC.*"));

Select one:

☐ a. true true

☐ b. false false

☐ c. true false

☒ d. false true ✓

Finish review