CSA C.10 Practice

Started: Dec 10 at 12:48am

Quiz Instructions

2 attempts

Highest score is counted



Question 2 100 pts

What does the following code display?

```
double x = 12.3798146;
System.out.printf("%.2f\n", x);
```

- %12.38
- 0 123798146
- 1238
- 12.38

Question 3 100 pts

Which of the following will format 12.7801 to display as \$12.78?

- System.out.printf("\$%,.2f", 12.7801);
- System.out.printf("%.2f\$\$", 12.7801);
- System.out.printf("%f", 12.7801);
- System.out.printf("\$d", 12.7801);

Question 4 100 pts

Which code snippet will always output "Yes!" when s1 and s2 are two strings the contain the same sequence of characters?

```
\bigcirc if (s1 = s2)
      System.out.println("Yes!");
\bigcirc if (s1.compareTo(s2) == 1)
      System.out.println("Yes!");

   if (s1.equals(s2))

      System.out.println("Yes!");
\bigcirc if (s1 == s2)
      System.out.println("Yes!");
```

Question 5 100 pts

What is the output of the following code snippet?

```
String str1 = "her";
String str2 = "cart";
```

```
if (str1.compareTo(str2) < 0)
{
    System.out.print(str2);
}
else
{
    System.out.print(str1);
}

    hercart
    carther
    cart
    her</pre>
```

Question 6 100 pts

What is the conditional required to check whether the length of a string s1 is odd?

```
    if ((s1.length() % 2) == 0)

    if ((s1.length() / 2))

    if ((s1.length() * 2))

    if ((s1.length() % 2) != 0)
```

Question 7 100 pts

The two strings "Aardvark" and "Aardvandermeer" are exactly the same up to the first six letters. What is their correct lexicographical ordering?

- "Aardvandermeer" is first, then "Aardvark"
- "Aardvark" is first, then "Aardvandermeer"
- They cannot be compared lexicographically unless they are the same length
- The shorter word is always first

Question 8 100 pts

Which if statement is true when the length of string s1 is greater than 42?

- O if (42 > s1.length())
- O if (s1.length() != 42)
- o if (42 != s1.length())
- if (s1.length() > 42)

Question 9 100 pts

```
String someString1 = "his";
String someString2 = "cycle";
```

if (someString1.compareTo(someString2) < 0)</pre>

What is the output of the following code snippet?

```
System.out.println(someString2);
}
else
{
    System.out.println(someString1);
}
```

- O cycle
- his
- There is no output due to compilation errors.
- hiscycle

Question 10

100 pts

Which of the following conditions will correctly check if the String variable greeting is "bonjour"?

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```
if (greeting.compareTo("bonjour") < 0)

if (greeting.equals("bonjour"))

if (greeting.compareTo("bonjour") > 0)

if (greeting == "bonjour")
```

```
Which of the following conditions will correctly check if the String variable early comes before "middle"
alphabetically?

if (greeting <= "middle")

if (greeting.compareTo("middle") == 0)

if (greeting.compareTo("middle") > 0)

if (early.compareTo("middle") < 0)</pre>
```

Question 12 100 pts

Which of the following options checks that city is neither Chicago nor Dallas?

```
o if (!(city.equals("Chicago") && city.equals("Dallas")))
```

```
• if (!(city.equals("Chicago") || city.equals("Dallas")))

• if (!city.equals("Chicago") || !city.equals("Dallas"))

• if (!city.equals("Chicago") || city.equals("Dallas"))

• if (!city.equals("Chicago") || city.equals("Dallas"))
```

```
Which of the following options checks that the string country is neither China nor Denmark?

if (!country.equals("China") || !country.equals("Denmark")

if (!(country.equals("China") && country.equals("Denmark")))

if (!(country.equals("China") || country.equals("Denmark")))

if (country.equals("China") || country.equals("Denmark"))
```

```
Which of the following conditions tests for the user to enter the string "Hello"?

output
for if (s.substring(0,5) == "Hello")

output
for if (s.equals("Hello"))
```

```
if (s == "Hello")

if (s = "Hello")
```

```
Which of the following options checks that character ch is neither a letter nor a white space?

or if (!Character.isLetter(ch) || Character.isWhiteSpace(ch))

or if (!(Character.isLetter(ch) || Character.isWhiteSpace(ch)))

or if (!(Character.isLetter(ch) && Character.isWhiteSpace(ch)))

or if (!Character.isLetter(ch) || !Character.isWhiteSpace(ch)))
```

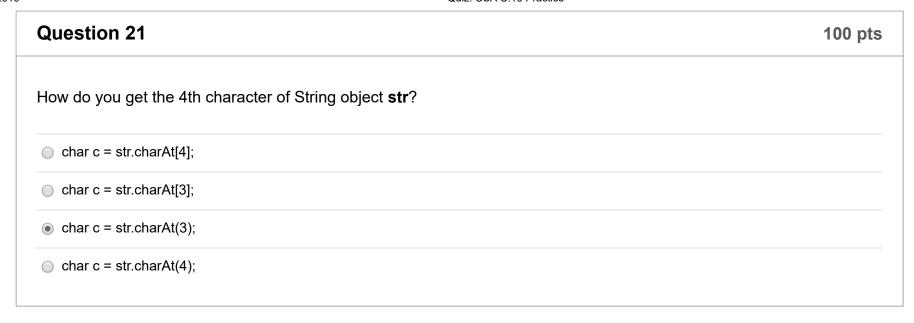
%7.3f

Question 17	100 pts
How do you get the length of the string str?	
str.length	
str.length()	
○ length.str	
length(str)	

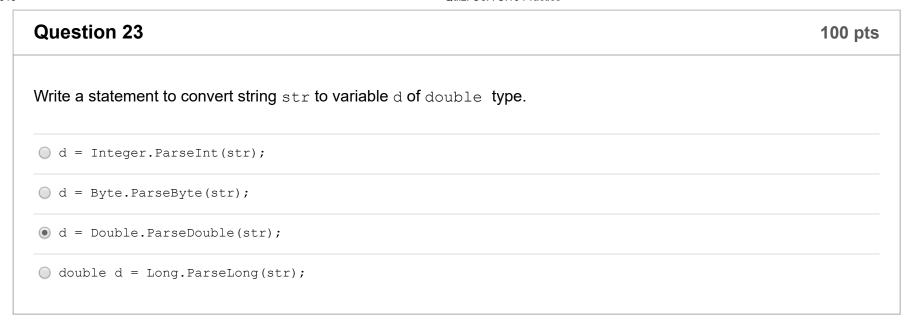
Question 18	100 pts
If a String object has length 7, what is its last position/index?	
6	
8	
7	

Question 19	100 pts
How do you extract the first 4 characters of String str ?	
str.substring(0, 4)	
str.substring(4)	
substring(str, 3)	
substring(str, 4)	
str.substring(0, 3)	

Question 20	100 pts
Given String st = "CALIFORNIA", what does st.substring(1,3) return?	
ALI	
○ AL	
○ CAL	
○ CA	



Question 22	100 pts
What does Integer.parseInt("123.45") do?	
Throws a NumberFormatException	
O Returns Integer.MIN_VALUE	
○ Returns 0	
Returns 45	
○ Returns 123	



Question 24	100 pts
Each of the numeric wrapper classes has a static method to converts its own number to a string. What is this called?	method
<pre>getString</pre>	
<pre>convert</pre>	
<pre> toString </pre>	
<pre>parse</pre>	

Question 25

```
Consider the squareRoot method defined below:
  /** @param d a real number such that d >= 0
   * Postcondition: Returns a Double whose value is the square
                    root of the value represented by d.
  public Double squareRoot(Double d)
       /* implementation code */
Which /* implementation code */ satisfies the postcondition?
  I double x = d.doubleValue();
    x = Math.sqrt(x);
    return new Double(x);
  II return new Double(Math.sqrt(d.doubleValue()));
 III return Double(Math.sqrt(d.doubleValue()));
I, II, and III
I only
I and II only
Il and III only
I and III only
```

Quiz saved at 12:11am

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