



Graded Quiz: Test your Project understanding draft

Graded Quiz • 30 min

Due Jun 29, 12:29 PM IST



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TO PASS 80% or higher

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GRADE

100%

Graded Quiz: Test your Project understanding draft

LATEST SUBMISSION GRADE

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1. Which language did we use to develop our program?

1 / 1 point

- ☐ Ubuntu
- ☒ Java
- ☐ C
- ☐ Eclipse



Correct

We used Java to develop our program.

2. Which of the Following is a Disadvantage of Java?

1 / 1 point

- ☒ Java is slower than directly compiled languages like C
- ☐ Java is dynamically typed
- ☐ Java is too old to be used on modern operating systems
- ☐ Java is too expensive for personal developers to get started



Correct

Correct! Java is slower than compiled languages than C because it must first be compiled into JVM machine code and then this code must be interpreted into normal machine code. A language like C directly translates into normal machine code, and is thus faster.

3. How are `System.out.print(...)` and `System.out.println(...)` different

1 / 1 point

- ☒ `println` places a new line after the statement while `print` does not
- ☐ None of the options are correct
- ☐ They are not different
- ☐ `Print` puts spaces between words while `println` puts a new line between words

 **Correct**

`println` indicates that we place a new line after outputting the statement in between the parentheses, while `print` does not.

4. Which of the following is correct Java code

1 / 1 point

- ☐ `System.out.println("I like to run")`
- ☒ `System.out.println("I like to run");`
- ☐ `System.out.println(I + like + to + run);`

 **Correct**

This is correct Java code. The string is contained inside of the parentheses and double quotations. We also have proper capitalization and a semicolon at the end

5. True or False? An else statement can exist without an if statement.

1 / 1 point

- ☐ True
- ☒ False

 **Correct**

An else statement only occurs executes if the if statement evaluates to False. As a result we need an if statement anytime we have a else statement, however not every if statement requires an else statement.

6. According to Java's definition of a floating point, which of the following are floating point values?

1 / 1 point

☐ 22

☒ 14.121221

 **Correct**

This is a floating point because it contains a decimal point. There can be any number of values after the decimal point.

☒ -12.2

 **Correct**

This is a floating point because it contains a decimal point. Doubles can be negative

☒ -50.0

 **Correct**

This is a floating point because it contains a decimal point. Even if the value after the decimal point is 0, it is still a floating point number.

7. What index do arrays start counting at in Java? (What is always the first index in an array?)

1 / 1 point

☒ 0

☐ Array.size()

☐ 1

☐ Array.size() - 1

 **Correct**

Arrays in Java start at index 0. This is because the index measures the offset of each value from the first value, thus the first value is offset by 0 spaces from itself.

8. What happens if a user enters more than 250 customers into our bank.

1 / 1 point

☒ The program terminates and throws an exception.

☐ The program silently creates an error, by overwriting the first customer with the new customer's data.

☐ The computer crashes due to an overflow error

☐ The program adds the 251st customer without error

 **Correct**

In Java adding too many values to an array causes a memory problem, and will cause an exception. Unless handled (which we did not) the program will terminate and output an error message.

9. How do you terminate a program in Java from inside the program?

1 / 1 point

- ☒ `System.exit(5);`
- ☐ `System.quit(2);`
- ☐ `System.out.exit(2);`
- ☐ `system.Exit(1);`


 **Correct**

`System.exit(status code);` allows us to terminate our program when that line of code is executed.

10. Which of the following is not a valid loop-continuation condition?

1 / 1 point

- ☐ `20 >= 15`
- ☐ `True`
- ☒ `int x = 5`
- ☐ All of the above are valid

 **Correct**

This statement does not evaluate to True or False and is thus an invalid loop-continuation condition.