Quiz 01

Due Sep 2 at 12pm   **Points** 10   **Questions** 10   **Time Limit** None

Instructions

There is no time limit, but you may only make one submission.

Attempt History

	Attempt	**Time**	**Score**
LATEST	**Attempt 1**	7 minutes	10 out of 10

Score for this quiz: **10** out of 10
Submitted Sep 1 at 12:57am
This attempt took 7 minutes.

Question 1   1 / 1 pts

What is the correct order of the steps in the program development process:

  i. Develop and describe the algorithm.
 ii. Translate the algorithm into Java.
iii. Understand the problem.
iv. Compile and test the program.
 v. Test the algorithm with different inputs.

○ i, iii, v, ii, iv

Correct!

◉ iii, i, v, ii, iv

○ i, ii, iv, v, iii

○ iii, i, ii, iv, v

Question 2

1 / 1 pts

Who or what is responsible for inspecting and testing the program to guard against logic errors?

○ compiler

○ end-user

Correct!

◉ programmer

○ JVM

Question 3

1 / 1 pts

What tool translates Java source code into files that contain instructions for the Java Virtual Machine?
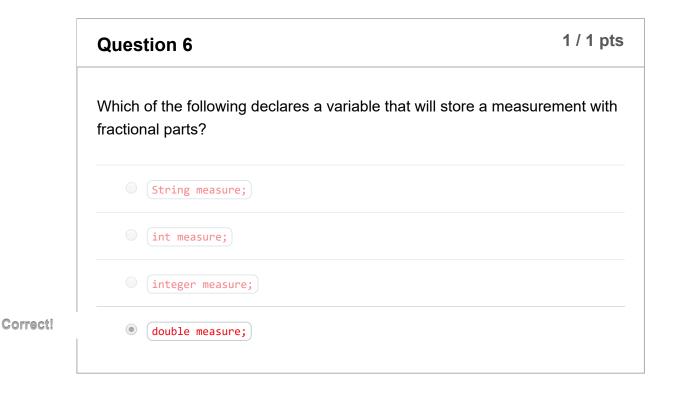
Correct!

◉ compiler

○ interpreter

○ assembler

○ linker

Question 4

1 / 1 pts

What is the Java Virtual Machine?

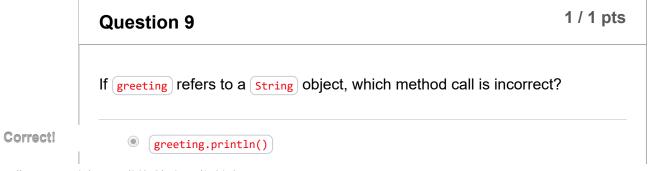○ A CPU that runs compiled Java code.

○ A library that makes it possible to write portable programs.

Correct!   ◉ A program that simulates a real CPU running compiled Java code.

○ A program that translates Java code into machine instructions.

Question 5   1 / 1 pts

Assume that the variable `count` has been declared as type `int`. Which
statement adds 10 to `count`?

○ `count = 10;`

○ `count + 10;`

Correct!   ◉ `count = count + 10;`

○ `count == count + 10;`

Question 6   1 / 1 pts

Which of the following declares a variable that will store a measurement with
fractional parts?

○ `String measure;`

○ `int measure;`

○ `integer measure;`

Correct!   ◉ `double measure;`

Question 7

1 / 1 pts

What is the purpose of a test program?

○ The test program checks the syntax of each object's methods.

Correct!

⦿ The test program verifies that methods have been implemented correctly.

○

The test program enforces that the types between arguments match correctly.

○ The test program confirms that the Java compiler is correct.

Question 8

1 / 1 pts

Which statement stores an integer value in a variable?

○ `count == 5;`

Correct!

⦿ `count = 5;`

○ `count = 5.0;`

○ `count != 5;`

Question 9

1 / 1 pts

If `greeting` refers to a `String` object, which method call is incorrect?

Correct!

⦿ `greeting.println()`

○ `greeting.toLowerCase()`

○ `greeting.length()`

○ `greeting.toUpperCase()`

Question 10

1 / 1 pts

Which of the following statements about classes is correct?

○ All entities, even primitive numbers, are classes.

○ By convention, class names begin with a lowercase letter.

○ A class is a sequence of programming instructions in an object.

Correct!

⦿ A class declares the methods that you can apply to objects of that class.

Quiz Score: **10** out of 10