

Quiz 2

- Due No due date
- Points 17
- Questions 17
- Available Dec 3, 2024 at 5pm - Dec 3, 2024 at 6pm 1 hour
- Time Limit 30 Minutes

Instructions

- This is a closed-book quiz.
- You have 30 minutes to answer all questions.
- Only one attempt is allowed; once you submit an answer, you cannot change it.
- The quiz covers concepts discussed in class.

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	13 minutes	15 out of 17

Score for this quiz: 15 out of 17

Submitted Dec 3, 2024 at 5:13pm

This attempt took 13 minutes.



Question 1

1 / 1 pts

Overloaded methods must have the same _____.

- ☐ parameter names
- ☐ types of parameters

Correct!

- ☒ name
- ☐ number of parameters



Question 2

1 / 1 pts

A constructor _____ overloaded.

- ☐ must be
- ☐ cannot be
- ☐ is always automatically

Correct!

- ☒ can be



Question 3

1 / 1 pts

A try block includes all of the following elements except _____.

- ☐ curly braces
- ☐ the keyword try

Correct!

- ☒ the keyword catch
- ☐ statements that might cause Exceptions



Question 4

1 / 1 pts

If you include three statements in a try block and follow the block with three catch blocks, and the second statement in the try block throws an Exception, then _____.

- ☐ the first two catch blocks execute
- ☐ only the second catch block executes

Correct!

- ☒ the first matching catch block executes
- ☐ the first catch block executes



Question 5

1 / 1 pts

The code within a finally block _____.

- ☐ executes only when the try block does not throw an exception
- ☐ executes only when the try block reaches a return statement

Correct!

- ☒ always executes
- ☐ executes only when the try block throws an exception



Question 6

0 / 1 pts

Which methods can throw an Exception?

Correct Answer

- ☐ any method
- ☐ methods with a catch block
- ☐ methods with both a throws clause and a catch block

You Answered

- ☒ methods with a throws clause



Question 7

1 / 1 pts

A reference is an object's _____.

- ☐ method body

Correct!

- ☒ memory address
- ☐ class name
- ☐ method header



Question 8

1 / 1 pts

The following defines a _____ array:

```
int[][] nums = { {1, 2}, {3, 4}, {5, 6} };
```

- ☐ one-dimensional

Correct!

- ☒ two-dimensional
- ☐ three-dimensional
- ☐ six-dimensional



Question 9

1 / 1 pts

The chief advantage to using the ArrayList class instead of an array is that an ArrayList _____.

- ☐ can be used as an argument to a static method
- ☐ can be much larger
- ☐ is easier to search

Correct!

- ☒ is dynamically resizable



Question 10

1 / 1 pts

A method header must have a throws clause if _____.

Correct!

- ☒ the method might throw a checked exception that it does not catch
- ☐ the method might throw an unchecked exception
- ☐ the method does not catch any exceptions
- ☐ the method might catch an unchecked exception



Question 11

1 / 1 pts

Which of the following is a checked exception?

- ☐ NullPointerException
- ☐ IllegalArgumentException
- ☐ ArrayIndexOutOfBoundsException

Correct!

- ☒ IOException



Question 12

1 / 1 pts

The "@Override" annotation is useful for _____.

- ☐ Preventing a compile-time error when a method is overridden.

- ☐ Causing one method to override another.
- ☐ Preventing one method from overriding another.

Correct!

- ☒ Causing a compile-time error when a method is not overridden.



Question 13

0 / 1 pts

Which of the following choices is the best example of a superclass/subclass relationship?

- ☐ Present/Gift
- ☐ Rose/Flower

Correct Answer

- ☐ Dog/Poodle

You Answered

- ☒ Sparrow/Bird



Question 14

1 / 1 pts

The Java keyword that creates inheritance is _____.

- ☐ enlarge

Correct!

- ☒ extends
- ☐ static
- ☐ inherits



Question 15

1 / 1 pts

A class named Building has a public, nonstatic method named `getFloors()`. If School is a subclass of Building, and `modelHigh` is an object of type School, which of the following statements is valid?

Correct!

- ☒ `modelHigh.getFloors();`

- ☐ `Building.getFloors();`
- ☐ `Building.getFloors(modelHigh);`
- ☐ `School.getFloors();`



Question 16

1 / 1 pts

A subclass `Motorcycle` extends a superclass `Vehicle`. Each class constructor requires one `String` argument. The `Motorcycle` class constructor can call the `Vehicle` class constructor with the statement _____.

- ☐ `Motorcycle("Harley");`
- ☐ `Vehicle("Honda");`
- ☐ `sub("Yamaha");`

Correct!

- ☒ `super("Suzuki");`



Question 17

1 / 1 pts

An abstract class `Product` has two concrete subclasses, `Perishable` and `NonPerishable`. None of the constructors for these classes requires any arguments. Which of the following statements is legal?

- ☐ `Product myProduct = new Product();`
- ☐ `Perishable myProduct = new NonPerishable();`
- ☐ `Perishable myProduct = new Product();`

Correct!

- ☒ `Product myProduct = new Perishable();`

Quiz Score: 15 out of 17