

Quiz Submissions - Quiz #8



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Attempt 1

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Submission View

You successfully submitted your quiz.

Question 1

1 / 1 point

An interface may contain

- ☐ a) private static data and public abstract methods
- ☐ b) only public abstract methods
- ☒ c) public static final data and public abstract methods
- ☐ d) private static data and public final methods

Question 2

1 / 1 point

A class that implements an interface but does not declare all of the interface's methods must be declared ___abstract___ ✓

Question 3

0 / 1 point

An interface that is used by classes whose objects can be sorted depending on a certain field of its objects is called ___collections___ ✗ (Comparable)

Question 4

1 / 1 point

When a class implements an interface, the class receives the interface's default concrete implementation if it does not override them

- ☒ True
- ☐ False

Question 5

1 / 1 point

When you enhance an existing interface with default methods, any class that implemented the original interface will break

- ☐ True
- ✓ ☒ False

Question 6

1 / 1 point

A class can extend one parent class or implement an interface, but not both

- ☐ True
- ✓ ☒ False

Question 7

1 / 1 point

An interface can have a private abstract method

- ☐ True
- ✓ ☒ False

Interface

A StudentInstructor class is a concrete class and it inherits from the following interfaces:

```
public interface Student{
    double getGrade();
    void setGrade();
}
```

```
public interface Instructor{
    double gethourlyRate();
    void setHourlyRate();
}
```

StudentInstructor class does not inherit from any other classes.

Question 8

2 / 2 points

Write the class signature of StudentInstructor

Answer: public class StudentInstructor
implements Student , Instructor {}

✗ (public class StudentInstructor
implements Student,Instructor)

Question 9

1 / 1 point

Assume the StudentInstuctor constructor has no parameters. Is the following statement legal?

StudentInstructor s = new StudentInstructor();

✓ ☒ a) Yes

☐ b) No

Question 10

1 / 1 point

Assume the StudentInstuctor constructor has no parameters. Is the following statement legal?

Student y = new StudentInstructor();

✓ ☒ a) Yes

☐ b) No

Question 11

1 / 1 point

Assume the StudentInstuctor constructor has no parameters. Is the following statement legal?

StudentInstructor a = new Student();

☐ a) Yes

✓ ☒ b) No

Attempt Score: 11 / 12

Overall Grade (highest attempt): 11 / 12

Done