

Quiz 06 - Polymorphism - Overloading

LATEST SUBMISSION GRADE

100%

1. Suppose you have the code below. Is 'int printSomething(int i, int j) { ... }' a valid overloaded method?

1 / 1 point

```
1 public void printSomething(int i) {  
2     System.out.print(i);  
3 }  
4
```

☒ True

☐ False

✓ **Correct**

It is a valid overloaded method because the number of arguments for printSomething is different. The method also happens to have a different return type.

2. Suppose you have the code below. Is 'void printSomething(String i) { ... }' a valid overloaded method?

1 / 1 point

```
1 public void printSomething(int i) {  
2     System.out.print(i);  
3 }  
4
```

☒ TRUE

☐ FALSE

✓ **Correct**

It is a valid overloaded method because the type of the argument for printSomething is different.

3. You can have two overloaded methods with a difference only in the return type.

1 / 1 point

☐ True

☒ False

✓ **Correct**

To overload methods, you have to have a difference either in name or argument types or number of arguments.

4. A method signature consists of:

1 / 1 point

- ☐ Method Name, Return Type and Number of Arguments
- ☒ Method Name, Number of Arguments, Types of Arguments, and Order of Arguments
- ☐ Access Modifier, Method Name and Types of Arguments
- ☐ Return Type, Access Modifier and Order of Arguments

✓ **Correct**

A method signature consists of the method name and the number of arguments, types of arguments, and order of arguments.

5. Suppose you have the code below. Is 'String printSomething(String i) { ... }' a valid overloaded method?

1 / 1 point

```
1 public void printSomething(int i) {  
2     System.out.print(i);  
3 }  
4
```

- ☒ True
- ☐ False

✓ **Correct**

It is a valid overloaded method because the type of the argument for printSomething is different. The method also happens to have a different return type.

6. Suppose you have the code below. Is 'void printSomething(char i, int j) { ... }' a valid overloaded method?

1 / 1 point

```
1 public void printSomething(int i, char j) {  
2     System.out.print(i + ", " + j);  
3 }  
4
```

- ☒ True
- ☐ False

✓ **Correct**

It is a valid overloaded method because the order of arguments for printSomething is different.