

Interface & Lambda Expression quiz

10 out of 10 correct

1. Which of these keywords is used to define interfaces in Java?

☒ **interface**

☐ Interface

☐ intf

☐ Intf

2. Which of these can be used to fully abstract a class from its implementation?

☐ Objects

☐ Packages

☒ **Interfaces**

☐ None of the Mentioned

3. Which of these access specifiers can be used for an interface?

☒ **public**

☐ protected

☐ private

☐ All of the mentioned

Explanation: Access specifier of an interface is either public or no specifier. When no access specifier is used then default access specifier is used due to which interface is available only to other members of the package in which it is declared, when declared public it can be used by any code.

4. Which of these keywords is used by a class to use an interface defined previously?

- ☐ import
- ☐ Import
- ☒ implements
- ☐ Implements

5. Which of the following is the correct way of implementing an interface salary by class manager?

- ☐ class manager extends salary {}
- ☒ class manager implements salary {}
- ☐ class manager imports salary {}
- ☐ none of the mentioned

6. What is the return type of lambda expression?

- ☐ String
- ☐ Object
- ☐ void
- ☒ Function

Explanation: Lambda expression enables us to pass functionality as an argument to another method, such as what action should be taken when someone clicks a button.

7. Which of the following are valid lambda expressions?

- ☐ String a, String b -> System.out.print(a+ b);
- ☐ () -> return;
- ☒ (int i) -> i;
- ☐ (int i) -> i++; return i;

Explanation: The body doesn't need to use the return keyword if it only has one statement.

8. Given below code snippet

```
interface A {  
    int aMethod(String s);  
}
```

Which of the following are valid statements?

- ☐ A a = a -> a.length();
- ☐ A x = y -> {return y;};
- ☐ A s = "2" -> Integer.parseInt(s);
- ☒ A b = (String s) -> 1;

Explanation: because it takes a String argument and returns an int value.

9. A lambda expression can be used...

- ☐ As a method argument
- ☐ As a conditional expression in an if statement
- ☐ In a return statement
- ☒ Option 1 & Option 3

10. Which of the following statements are true?

- ☒ Curly brackets are required whenever the return keyword is used in a lambda expression

- ☐ A return keyword is always required in a lambda expression
- ☐ A return keyword is always optional in a lambda expression
- ☐ Lambda expressions don't return values

Explanation: A return keyword is not always required (or optional) in a lambda expression. It depends on the signature of the functional interface method. Curly brackets are required whenever the return keyword is used in a lambda expression. Both can be omitted if the lambda expression's body is just one statement.

Submit

