Kotlin fundamentals

Let's do a quick test! You must answer at least 7 questions correctly to pass this quiz.

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1. The following code will print `"Divisible by 5"` if `number` is equal to `25`.

```
if (number % 10 == 0) {
  println("Divisible by 10")
} else if (number == 5) {
  println("Divisible by 5")
}
```

○ `true`

◉ `false`   ⊘ Correct!

2. Which of the following conditions are satisfied when `x = 5`?

Choose as many answers as you see fit.

☑ `x == 5`   ⊘ Correct!

☑ `x in 1..5`   ⊘ Correct!

☑ `x is Int`   ⊘ Correct!

☐ `x % 5`

3. Which is not a basic concept of object-oriented programming

○ Abstraction

◉ Readability   ⊘ Correct!

○ Inheritance

○ Polymorphism

4. Which are the four visibility modifiers in Kotlin?

○ `public`, `private`, `protected`, `abstract`

○ `static`, `override`, `internal`, `external`

◉ `private`, `protected`, `public`, `internal`   ⊘ Correct!

○ `public`, `protected`, `static`, `internal`

5. The ___ keyword is used to call a method from the parent class.

○ `this`

◉ `super`   ✓ Correct!

○ `parent`

○ `self`

6. A(n) ___ defines properties or methods that a class needs to implement.

○ Delegate

○ Generic type

◉ Interface   ✓ Correct!

○ Subclass

7. Which of the following is best represented by a nullable type?

○ The number of followers (0 or more) in a social media app.

◉ An optional profile picture.   ✓ Correct!

○ A username that must be at least one character.

○ A unique ID given to every user.

8. The ___ operator allows you to call a method only if the object is non-null.

○ `.`

○ `!!`

○ `?:`

◉ `?.`   ✓ Correct!

9. Which is not true of functions in Kotlin?

◉ A function can be changed to another data type, and vice versa.   ✓ Correct!

○ A function can be returned from another function.

○ A function can take another function as a parameter.

○ A function has a data type, such as `(Int) -> Unit`.

10. A function literal is another name for a ___

◯ Function type

⦿ Lambda expression   ✓ Correct!

◯ Function reference

◯ Trailing lambda

Results

You scored **10 out of 10**. Congratulations! You have passed this quiz.

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