


Intro to Programming

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

[Return to pathway_](https://developer.android.com/courses/pathways/android-basics-compose-unit-1-pathway-1) (https://developer.android.com/courses/pathways/android-basics-compose-unit-1-pathway-1)

1. Which of the following variable declarations is valid?




- ☐ `var hello: Int? = ""`
- ☐ `String "hello" = hello`
- ☒ `val hello = "hello"`  Correct!
- ☐ `hello: String = "hello"`

2. It is considered best practice to declare a variable that will not change using `var` instead of `val`.

- ☐ True
- ☒ False  Correct!

3. Which of the following are valid ways to update a variable?

Choose as many answers as you see fit.

- ☒ `total++`  Correct!
- ☐ `total - 1`
- ☒ `total--`  Correct!
- ☒ `total = total + 1`  Correct!

4. In Kotlin, comments can be single or multi-line and are ignored by the compiler.

☒ True ☒ Correct!

☐ False

5. Which of the following is not a data type in Kotlin?

☐ String

☒ Decimal ☒ Correct!

☐ Int

☐ Boolean

6. Float also represents a decimal, but is less precise than Double.

☒ True ☒ Correct!

☐ False

7. In Kotlin, the entrypoint of a program is the ____.

☐ println() statement

☐ val variable

☒ main() function ☒ Correct!

☐ return statement

8. Which of the following are true about function return values?

Choose as many answers as you see fit.

☒ If a function does not specify a return type, the return type is Unit. ☒ Correct!

☒ A return value can be stored in a variable. ☒ Correct!

☐ Functions with a return type of Unit must include a return statement.

☒ A return value's type must match the return type of a function. ☒ Correct!

9. Which of the following are true about functions?

Choose as many answers as you see fit.

- ☒ Functions can take parameters, or variables as inputs. ☒ Correct!
- ☐ Function parameters are required to have default arguments.
- ☒ When calling a function with parameters, the values passed in are called arguments. ☒ Correct!
- ☒ Breaking up your code into separate functions makes your code easier to maintain. ☒ Correct!

10. With named arguments, you can change the order in which you pass arguments into a function.

- ☒ True ☒ Correct!
- ☐ False

Results

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

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