

# Introduction to Kotlin


Let's do a quick test! You must answer at least 5 questions correctly to pass this quiz.




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## 1. What is a program?

- ☐ A specific task
- ☐ A tool that helps you write Kotlin code
- ☒ A series of instructions that a computer system executes to accomplish some action
- ☐ A defined set of instructions that tells your computer to print "Happy Birthday!"

 **Correct!**


## 2. Which keyword do you use to define a function in Kotlin?


- ☒ `fun`  **Correct!**
- ☐ `func`
- ☐ `function`
- ☐ `newFunction`
- ☐ `main`


## 3. Which of the following do you need to create a Kotlin program that prints a line of text?


*Choose as many answers as you see fit.*

- ☐ comment describing what your program does
- ☒ a `main()` function
- ☒ curly braces `{ }` around the instructions to the system
- ☒ a call to `print()` or `println()`
- ☒ a piece of text surrounded by quotation marks

 **Correct!**

 **Correct!**

 **Correct!**


 **Correct!**

## 4. What do you expect this Kotlin code to do?

```
fun main(args: Array<String>) {
    println("Hello, world!")
    println("It's a sunny and warm day!")
}
```



- ☐ Print one line of text
- ☒ Print two lines of text
- ☐ Print three lines of text
- ☐ Print two lines of text separated by a blank line

 **Correct!**

5. How would you modify this `main()` function so that it prints a 6-layer cake for someone's 4th birthday?

```
fun main() {  
    val age = 24  
    val layers = 5  
    printCakeCandles(age)  
    printCakeTop(age)  
    printCakeBottom(age, layers)  
}
```

- ☐ Set val age to 6, set val layers to 4
- ☐ Set val age to "4", set val layers to "6"
- ☒ Set val age to 4, set val layers to 6 **Correct!**
- ☐ Leave the code as-is

6. Which of these options correctly calls the function, below, and passes it valid input arguments?

```
fun createMessage(name: String, location: String, age: Int) {  
    println("My name is ${name}. I am from ${location}, and I am ${age} years old.")  
}
```


- ☒ `createMessage("Amy", "Australia", 20)` **Correct!**
- ☐ `createMessage("Evan", "England", 9)`
- ☐ `createmessage("Tom", "Thailand", "40")`
- ☐ `createMessage(Heather, "Haiti", 7)`

## Results

You scored **6 out of 6**. Congratulations! You have passed this quiz.

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