

Kotlin Programming

Kotlin is a relatively new programming language developed by JetBrains for modern multiplatform applications. Nowadays, Kotlin is widely used for **Android Apps Development** instead of Java. It is because Kotlin is safe, concise, and fun to read and write.

Kotlin Hello World - You First Kotlin Program

In this Lesson, you will learn to write Hello World program in Kotlin.

A "Hello, World!" is a simple program that outputs Hello, World! on the screen. Since it's a very simple program, it's often used to introduce a new programming language.

Before you write the program, make sure your computer can run Kotlin. For that visit: [How to Run Kotlin on Your Computer?](#)

Let's explore how "Hello, World!" program works in Kotlin.

Kotlin "Hello, World!" Program

```
// Hello World Program  
  
fun main(args : Array<String>) {  
    println("Hello, world!")  
}
```

To run above code open kotlin Editor using this link <http://play.kotlinlang.org>

When you run the program, the output will be:

Hello, World!

How this program works?

1. // Hello World Program

Any line starting with // is a comment in Kotlin (similar to Java). Comments are ignored by the compiler. They are intended for person reading the code to better understand the intent and functionality of the program. To learn more, visit *Kotlin comments*.

2. `fun main(args : Array<String>) { ... }`

This is the `main` function, which is mandatory in every Kotlin application. The Kotlin compiler starts executing the code from the `main` function.

The function takes array of strings as a parameter and returns `Unit`. You will learn about functions and parameters in later chapters.

For now, just remember that `main` function is a mandatory function which is the entry point of every Kotlin program. The signature of `main` function is:

```
fun main(args : Array<String>) {  
    ... ..  
}
```

3. `println("Hello, World!")`

The `println()` function prints the given message inside the quotation marks and newline to the standard output stream. In this program, it prints `Hello, World!` and new line.

That's your first Kotlin program!