

Kotlin – Get File Extension – Example

Get File Extension in Kotlin

Kotlin – Get File Extension : In Kotlin, to extract or get the file extension, use `File.extension` property. `File.extension` is a `String` value. It returns the extension if the file has one or an empty string if the file does not have an extension.

Example 1 – Get File Extension

In this example, we will take a file and get its extension.

`example.kt`

```
import java.io.File

fun main(args: Array<String>) {
    var f = File("file.txt")
    print(f.extension)
}
```

Make sure `file.txt` is in the project root directory.

Output

```
txt
```

Example 2 – Get File Extensions of All Files in a Folder

In this example, we will [walk through all the files](#) in the project root directory (if you are running the program from IDE) or all the files in the directory from which you are running the Kotlin program in command line, **and print** the extension of each file.

Also, we are checking if the current `File` object is a file using `File.isFile()` method.

`example.kt`

```
import java.io.File
```

```

fun main(args: Array<String>) {
    val fileName = "data.txt"
    var file = File(fileName)

    File("./").walk().forEach {
        println(it.extension + " is the extension of " + it.name)
    }
}

```

Output

```

name is the extension of .name
xml is the extension of codeStyleConfig.xml
xml is the extension of kotlinc.xml
xml is the extension of KotlinJavaRuntime.xml
xml is the extension of misc.xml
xml is the extension of modules.xml
xml is the extension of workspace.xml
txt is the extension of file.txt
iml is the extension of Kotlin Basics.iml
jar is the extension of kotlin-reflect-sources.jar
jar is the extension of kotlin-reflect.jar
jar is the extension of kotlin-stdlib-jdk7-sources.jar
jar is the extension of kotlin-stdlib-jdk7.jar
jar is the extension of kotlin-stdlib-jdk8-sources.jar
jar is the extension of kotlin-stdlib-jdk8.jar
jar is the extension of kotlin-stdlib-sources.jar
jar is the extension of kotlin-stdlib.jar
jar is the extension of kotlin-test-sources.jar
jar is the extension of kotlin-test.jar
class is the extension of HelloWorldKt.class
class is the extension of KotlinExampleKt.class
class is the extension of KotlinForLoopKt.class
class is the extension of KotlinMainKt.class
class is the extension of KotlinStringLengthKt.class
class is the extension of KotlinStringToIntegerKt.class
kotlin_module is the extension of Kotlin Basics.kotlin_module
kt is the extension of HelloWorld.kt
kt is the extension of KotlinExample.kt
kt is the extension of KotlinForLoop.kt
kt is the extension of KotlinMain.kt
kt is the extension of KotlinStringLength.kt
kt is the extension of KotlinStringToInteger.kt

```

Conclusion

In this [Kotlin Tutorial](#), we learned how to get the extension for a file, or for all files in a folder, using `File.extension`.

Kotlin Java

◆ [Kotlin Tutorial](#)

Getting Started

- ◆ Setup Kotlin(Java) Project
- ◆ Kotlin Example Program
- ◆ Convert Java to Kotlin
- ◆ Kotlin Main Function
- ◆ Kotlin Loops
- ◆ Kotlin For Loop
- ◆ Kotlin While, Do While Loops
- ◆ Kotlin Repeat
- ◆ Kotlin Ranges
- ◆ Kotlin When

Object Oriented Concepts

Classes

- ◆ Kotlin - Class, Primary and Secondary Constructors
- ◆ Kotlin Sealed Class
- ◆ Kotlin Data Class
- ◆ Kotlin Enum
- ◆ Kotlin - Extension Functions

Inheritance

- ◆ Kotlin Inheritance
- ◆ Kotlin Override Method of Super Class

Abstraction

- ◆ Kotlin Abstraction
- ◆ Kotlin Abstract Class
- ◆ Kotlin - Interfaces
- ◆ Kotlin Null Safety

Exception Handling

- ◆ Kotlin Try Catch
- ◆ Kotlin Throw Exception

- ◆ Kotlin Custom Exception

Fix Compilation Errors

- ◆ Kotlin - Variable must be initialized
- ◆ Kotlin - Primary Constructor call expected
- ◆ Kotlin - Null can not be a value of a non-null type String
- ◆ Kotlin - Cannot create an instance of an abstract class

Kotlin - String Operations

- ◆ Kotlin - Compare Strings
- ◆ Kotlin - Replace String
- ◆ Kotlin - Split String
- ◆ Kotlin - Split String to Lines
- ◆ Kotlin - String Capitalize

Kotlin - Functions

- ◆ Kotlin Function - Default Arguments
- ◆ Kotlin - Use Function

Kotlin Collections

Kotlin List

- ◆ Kotlin List
- ◆ Kotlin List forEach

Kotlin File Operations

- ◆ Kotlin - Create File
- ◆ Kotlin - Read File
- ◆ Kotlin - Read File as List of Lines
- ◆ Kotlin - Write to File
- ◆ Kotlin - Append Text to File
- ◆ Kotlin - Check if File Exists
- ◆ Kotlin - Copy a File to Other
- ◆ Kotlin - Iterate through all files in a directory
- ◆ Kotlin - Delete Recursively

▼ Kotlin - Delete Recursively

⇒ **Kotlin - Get File Extension**

Kotlin Interview Q/A

◆ [Kotlin Interview Questions](#)

Kotlin Android

◆ [Kotlin Android Tutorial](#)

Useful Resources

◆ [How to Learn Programming](#)