

Kotlin – Split String – Examples

Kotlin – Split String

Kotlin Split String using a given set of delimiters or Regular Expression – Splitting a string to parts by delimiters is useful when the string contains many (parametric) values separated by delimiters or if the string resembles a regular expression. In this tutorial we shall learn how to split a string in Kotlin using a given set of delimiters or Regular Expression.

*Delimiter is a character or another string that joins multiple strings into a single one.

Example 1 – Split String using Single Delimiter

In the following example, we shall split the string `Kotlin TutorialsepTutorial KartsepExamples` with the Delimiter `sep`.

example.kt

```
fun main(args: Array<String>) {  
    var str = "Kotlin TutorialsepTutorial KartsepExamples"  
    var delimiter = "sep"  
  
    val parts = str.split(delimiter)  
  
    print(parts)  
}
```

Output

```
[Kotlin Tutorial, Tutorial Kart, Examples]
```

Example 2 – Split String using Multiple Delimiters

Multiple delimiters could be provided as arguments to the `split()` method of String Class.

```
String.split(delimiter1, delimiter2, .., delimiterN)
```

In the following example, we shall split the string `Kotlin`

TutorialsepTutorialasepKartsepExamples with two delimiters sep , asep .

example.kt

```
fun main(args: Array<String>) {  
  
    var str = "Kotlin TutorialsepTutorialasepKartsepExamples"  
    var delimiter1 = "sep"  
    var delimiter2 = "asep"  
  
    val parts = str.split(delimiter1, delimiter2)  
  
    print(parts)  
}
```

Output

```
[Kotlin Tutorial, Tutorial, Kart, Examples]
```

Example 3 – Split String Ignoring Case

split() method accepts a boolean value after delimiters, whether to ignore the case of delimiters and the string while splitting.

String. **split**(vararg delimiters, ignoreCase:Boolean = false)

The default argument for ignoreCase is false. To ignore the case, true has to be provided for the ignoreCase as named argument.

In the following example, we shall split the string Kotlin

TutorialsePTutorialaSEpKartSEpExamples with two delimiters SEP , ASEP .

example.kt

```
fun main(args: Array<String>) {  
  
    var str = "Kotlin TutorialsePTutorialaSEpKartSEpExamples"  
    var delimiter1 = "SEP"  
    var delimiter2 = "ASEP"  
  
    val parts = str.split(delimiter1, delimiter2, ignoreCase = true)  
  
    print(parts)  
}
```

Output

```
[Kotlin Tutorial, Tutorial, Kart, Examples]
```

Example 4 – Split String using Regular Expression

In the following example, we shall split the string `Kotlin TutorialsepTutorialasepKartsepExamples` with the Regular Expression `sep|asep`.

example.kt

```
fun main(args: Array<String>) {  
    var str = "Kotlin TutorialsepTutorialasepKartsepExamples"  
    val parts = str.split(Regex("sep|asep"))  
    print(parts)  
}
```

Output

```
[Kotlin Tutorial, Tutorial, Kart, Examples]
```

Conclusion

In this [Kotlin Tutorial – Kotlin Split String](#), we have learnt to split string using delimiters, ignoring case, and Regular Expression with examples.

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](#)

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◆ [Kotlin - Iterate through all files in a directory](#)

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◆ [Kotlin Interview Questions](#)

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◆ [Kotlin Android Tutorial](#)

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