

Kotlin List forEach – Example

Kotlin List forEach

Kotlin List forEach is used to perform the given action on each item of the list. Inside the code block of forEach, the item could be referenced as **it**.

Syntax – List forEach

The syntax of List.forEach() method is

```
theList.forEach {  
    //statement(s)  
}
```

Example 1 – Kotlin List forEach – String

In the following example, we shall print each item of String List using forEach.

Kotlin Program

```
fun main(args: Array<String>) {  
    var listB = listOf<String>("Example", "Program", "Tutorial")  
  
    listB.forEach {  
        println(it)  
    }  
}
```

Output

```
Example  
Program  
Tutorial
```

Example 2 – Kotlin List forEach – Integer

In the following example, we shall print each item of an Integer List using forEach.

Kotlin Program

```
fun main(args: Array<String>) {
    var listB = listOf<Int>(8, 56, 12, 42)

    listB.forEach {
        println(it)
    }
}
```

Output

```
8
56
12
42
```

Example 3 – Kotlin List forEach – Custom Object

In the following example, we shall consider list of Data Class objects and print a message for each item of the List using forEach.

Kotlin Program

```
fun main(args: Array<String>) {
    val book1 = Book("Kotlin Tutorial")
    val book2 = Book("Kotlin Android Tutorial", 2)
    var listB = listOf<Book>(book1, book2)

    listB.forEach {
        println("Price of book, ${it.name} is ${it.price}")
    }
}

data class Book(val name: String = "", val price: Int = 0)
```

Output

```
Price of book, Kotlin Tutorial is 0
Price of book, Kotlin Android Tutorial is 2
```

Conclusion

In this [Kotlin Tutorial](#) – **Kotlin list forEach**, we have learnt how to perform a block of statement for each element of the list, 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

◆ [Kotlin - Copy a File to Other](#)

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

◆ [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](#)