## Kotlin Higher-Order Function

In Kotlin, a higher-order function takes another function as an argument or returns another function. Lambda expressions are frequently supplied as arguments to or returned from higher-order functions. Kotlin Higher-Order Function can likewise use an anonymous function for this purpose.

### **Function Types**

We will study function types in Kotlin. A function type's syntax is as follows.

(Type, Type) -> ReturnType

With the parameter types on the left and the return type on the right. You can use the Unit for empty returns.

There are numerous ways to instantiate function types. Let's have a look at a few of them.

#### **Lambda expressions**

fun main() {

  val evenOddCheck : (Int) -> Boolean = { it % 2 == 0 }

  print(evenOddCheck.invoke(5))

}

Output:

false