

# Lab6 : Lambdas

## Exercise 1 – Your first lambda expression

Cite another functional interface provided by the Java API.

Other functional interfaces provided by the Java API are Predicate, Consumer, Function and Supplier.

Explain why this code is uselessly complicated.

This code is uselessly complicated because it creates a new object and overrides a method, only to return a string comparator.

If your IDE replace the code for you, are you really sure this syntax is the shortest / more elegant one ?

My IDE unfortunately did not replace the code for me !

## Exercise 2 – Play with stream

How many real lines of code do you write?

I needed to write only 2 lines of code.

## Exercise 3 – Better Seq

What is the signature of this method?

The signature of this method is: `forEach(Consumer consumer)`

What the difference between static and non-static inner class?

A non-static inner class has full access to the members of its outer class while a static inner class does not have any reference on instances of its outer class.

How do you implement the method `nil` with `T`?

The method `nil` does not need to refer to `T`.