Lambda Expression:

It is a function without the a name. but it has method parameter, method body, return type.

It can be assign to a variable and pass as variable.

Syntax:

( Lambda Input parameter ) -> { Lambda Body }

Usage of Lambda :

To implement Functional interface (SAM ) (“If an interface has a one abstract method than those interface are called as a functional interface ”)

Functional interface:

Any Interface that has a exactly one abstract method known as FunctionalInterface.

@Functionalinterface:

Annotation is a part of JDK 1.8

New Four Functional interface in Java 8 are follows :

Consumer , Predicate , Function , Supplier

Each function interface has its on extension

Method reference :

Simplify version functional interfaces :

Syntax of method references:

ClassName :: instance-methodName

ClassName :: static-methodName // instance :: methodName.