Java 8 predefined functional interfaces

Java Functional Interfaces

An Interface that contains exactly one abstract method is known as functional interface. It can have any number of default, static methods but can contain only one abstract method. It can also declare methods of object class.

Functional Interface is also known as Single Abstract Method Interfaces or SAM Interfaces. It is a new feature in Java, which helps to achieve functional programming approach.

### **Java Predefined-Functional Interfaces**

# Java Consumer Interface

It is a functional interface defined in java.util.function package. It contains an abstract accept() and a default andThen() method. It can be used as the assignment target for a lambda expression or method reference.

The Consumer Interface accepts a single argument and does not return any result.

|  |  |
| --- | --- |
| Method | Description |
| **void** accept(T t); | It performs this operation on the given argument. |
| **default** Consumer<T> andThen(Consumer<? **super** T> after) | It returns a composed Consumer that performs, in sequence, this operation followed by the after operation. If performing either operation throws an exception, it is relayed to the caller of the composed operation. If performing this operation throws an exception, the after operation will not be performed. |