**Java-8 – Predefined functional interfaces – Predicate – Part\_01**

* **There are multiple functional interfaces provided by java**

Predicate

Function

Consumer

Supplier

All the above functional interfaces are defined under “***java.util.function***” package.

A functional interface can contain any number of default and static methods but it should contain only one abstract method.

* **Predicate:**

Predicate is a mathematic function which returns Boolean based on the given condition.

We can use Predicate to perform a conditional check.

Introduced in Java 1.8 version.

Present in “***java.util.function***” package.

It is a functional interface and it has only one abstract method named “test()”

Prototype:

interface Predicate<T> {

boolean test(T t);

}

Note: Predicate is a boolean valued function.