Java 8 Features

Concise code

Enabling Functional Programming

1.Lamda Expressions

2.Functional Interfaces

3.Default Methods and static Methods

4. Predefined Functional Interfaces

Predicate

Function

Consumer, Supplier Etc.

5.Double Colon Operator (:: )- Method Reference, Constructor Reference

6.Streams

7.Date and Time API.

8.Optional Classes

9.Nashron Java Script Engine etc.

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1.Lambda Expressions – Java 8

1930 – LISP,C,C++,Ruby,Scala and Finally in Java came.

The main objective of Lambda Expression : to bring benefits of functional programming into Java.

What is Lambda Expression?

It is an anonymous function – No Name – Name less function .

Any function without name, without return type and without modifier.

If the body contains only one statement remove curly braces.

Functional Interface (FI).

Single Abstract Method (SAM) – Functional Interface

1. Runnable
2. Comparable
3. Comparator
4. ActionListener.

Streams – if you want to process objects from collection.

Collection – if you want to represent group of objects as single entity then we should go for Collection

Stream s=Collection.stream(); 🡪 stream Object.

Stream – Interface – java.util.stream – package .

Concise code – very less code.