23/06/2025

Monday

JAVA 8 Features

1. Lamda Expressions
2. Function Interfaces
3. Default and static method in interface
4. Method references
5. Stream API
6. Optional Class
7. New Date and Time API
8. Collectors

Stream API

* The stream API in java8 allows functional style processing of collections like List, Set etc

Wrapper Classes

* A Wrapper Class in Java is a class that wraps (encapsulates) a primitive datatype into an Object
* Methos parse(), compare().etc
* Supports autoboxing and unboxing
* Autoboxing:- automatically converts primitive to object conversion Ex: int to Integer

Ex : int x =5;

Integer y =x;

* Unboxing:- Automatically converts object to primitive

Ex: Integer x = 5;

int y = x;

|  |  |
| --- | --- |
| **Primitive Types** | **Wrapper Class** |
| byte | Byte |
| short | Short |
| int | Integer |
| long | Long |
| float | Float |
| double | Double |
| char | Char |
| boolean | Boolean |

* compare() :- compares two wrapper objects
* equals() :- compares wrapper object values.