**JFSD: A-Z of Back-end and Database Development**

**Day 13 : 24 Aug 24**

Inner class

1. Non static inner class
2. Static inner class
3. Anonymous inner class.

**Java 8 and 11 new Features**

1. From java 8 onward interface can contains method with body. But with method we need to use default or static keyword.

The class which implements that interface. That class can override default method but can’t override static method. static method part of interface we need to call using intefaceName.methodName();

1. Functional interface : the interface which contains only one abstract method is known as functional interface. That interface can contains more than one default as well as static method but only one abstract method. to check interface is function interface or not we can use @FunctionaInterface annotation(optional).
2. Lambda expression : It is a like a arrow function in JS or angular or react js. From Java8 onward we can say Java also functional programming because of Lambda expression. Using lambda expression we can use anonymous method (functions).

We can use lambda expression, only for that interface which contains only one abstract method ie functional interface. Functional interface mainly use to achieve lambda expression. Lambda expression method return value without return keyword.

Syntax

InterfaceName referenceName = (parameterList)->expression or body