

Jdk1.8

This syntax got popular in Javascripts , So keep up with popularity and competition - java added this syntax

**Functional Interface** ----- The interface should have only **one method** !!!

To make the compiler check if the interface is really function interface - We **may** annotate the interface with `@FunctionalInterface`

#### INNER CLASS

1. NAMED INNER CLASS ---- this can access ALL properties and methods of Outer class  
This is used when we want a class to implement or extend other classes and use their private properties
2. ANONYMOUS INNER CLASS
  - i. Shorthand notation to implement interface and its object

Writing implementation of the Interface using class name of the class Implements	<pre>class IndianGreeting implements Greeting {     @Override     public String welcomeString() {         return "Namaste";     } }  Greeting g = new IndianGreeting();</pre>	
Writing anonymous inner class ---- Remove class keyword, remove class name, remove implements Greeting	<pre>Greeting g = new Greeting() {     @Override     public String welcomeString() {         return "Namaste";     } };</pre>	
Write a Lambda Expression ---- Remove new , interface name , remove @Override, remove method name/signature	<pre>Greeting g = ()-&gt; {return "Namaste";}</pre>	

Lambda Expression -----

Streams !!!!