What is Lambda expression, or how to write expression?

What is Lambda expression?

A Lambda expression is an anonymous function.

A function which has

* no name
* has no modifiers (like private, public, protected)
* has no return type

If you know how to write Java method, then you know how to write Lambda expression

**public** **void** printIt() {

System.***out***.println("Hello World!");

}

If body contains only one statement, then we don’t need curly statements

Add arrow expression

The above method can be converted to Lambda expression using Functional interfaces as below

MyFunctionalInterface1 v1 = () -> System.***out***.println("Hello World!");

**interface** MyFunctionalInterface1 {

**public** **void** printIt();

}

===

**package** com.mahendra.section2;

**public** **class** Class3 {

**public** **static** **void** main(String[] args) {

MyFunctionalInterface1 v1 = () -> System.***out***.println("Hello World!");

v1.printIt();

MyFunctionalInterface2 v2 = (i, j) -> i + j;

**int** k = v2.add(23, 45);

System.***out***.println(k);

MyFunctionalInterface3 v3 = (str) -> str.length();

**int** strLenth = v3.strLength("Hello");

System.***out***.println(strLenth);

}

**public** **void** printIt() {

System.***out***.println("Hello World!");

}

**public** **int** add(**int** i, **int** j) {

**return** i + j;

}

}

**interface** MyFunctionalInterface1 {

**public** **void** printIt();

}

**interface** MyFunctionalInterface2 {

**public** **int** add(**int** i, **int** j);

}

**interface** MyFunctionalInterface3 {

**public** **int** strLength(String input);

}