

As we know, Java is a OOP language which everything depends on an object or a class. If we want to pass some codes, we must create a class. That causes some redundancy and inconvenience. Interface is a special type, which can't be instantiated. So, when we want to pass a interface, we need to create a class to implements it or instantiate a interface with a anonymous inner class.

Lambda expression was introduced by java8 to resolve these problems. Actually, java imports the Functional programming concept to java8 to try to fix up the flaw of java.

lambda expression seems to instantiate a interface and implements the methods. Interface is a standards of how to implement the methods. If we don't need the principle to Regulate our codes, we can employ stream API, which can design our rules within filter to filter the data from array, Collection.