**Java 8**

Before java 8 java was known as object oriented programming language. But from java 8 onward also known a functional programming language. Using lambda we can make java as functional programming style language.

Stream api (Application Programming interface): Stream API is one of the features of Java 8 which allow programmer or developer to process sequence of data such as array or collection in functional style. We can apply business logic file map, filter et on those data while loading. Using stream on demand we can load the data and apply the business logic on that data. Stream means flow of data.

Java Stream api provided top most 4 functional interfaces.

Consumer : it contains accept() it take T value but no return

Predicate : test() method take T value and return Boolean value

Supplier : it contains get() method which return T value.

Function : it provide apply. We need to pass **T** parameter and return **R** value.

**Java 11**

1. In Java 11 declare the local variable we can use var keyword. in lambda expression we can use var keyword to mention genetic type of value.