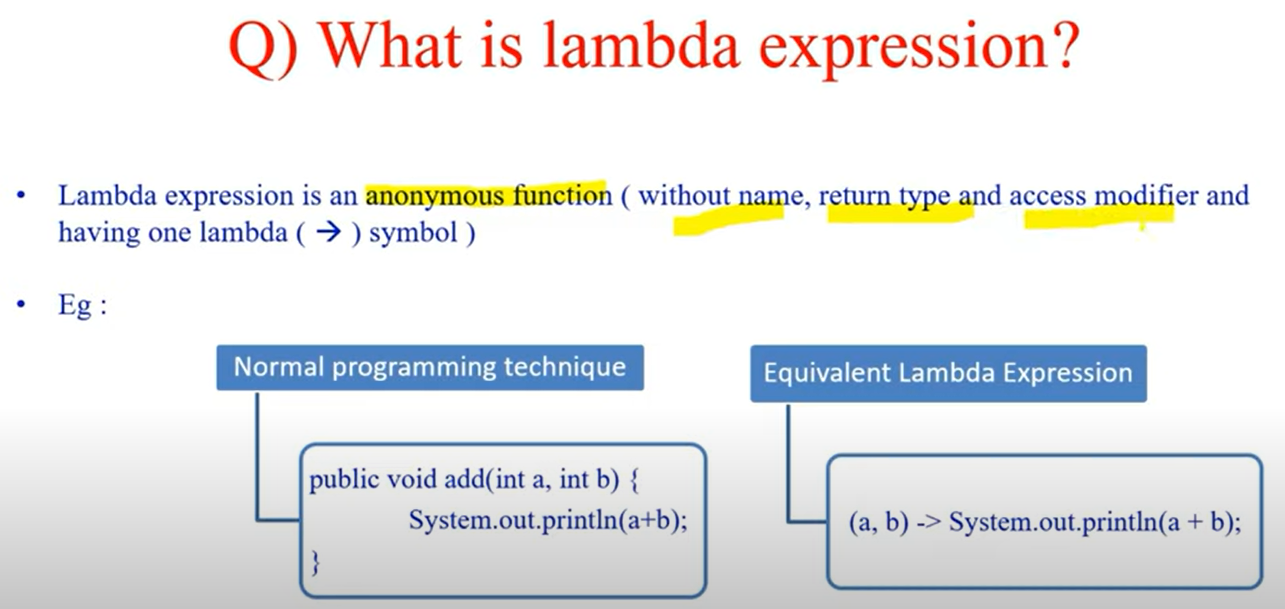


Features of Java 8

A screenshot of a computer

Description automatically generated

Lambda Expression



BiConsumer 🡪 is nothing but a predefined functional interface. Available in java.util.function package.

BiConsumer will accept 2 values and returns nothing.



Functional Interfaces

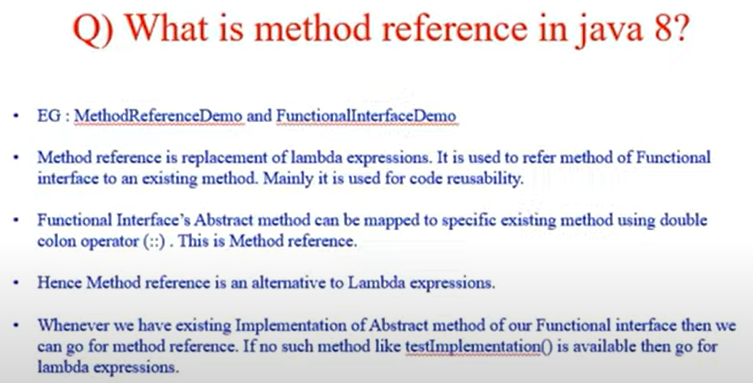
A screenshot of a computer

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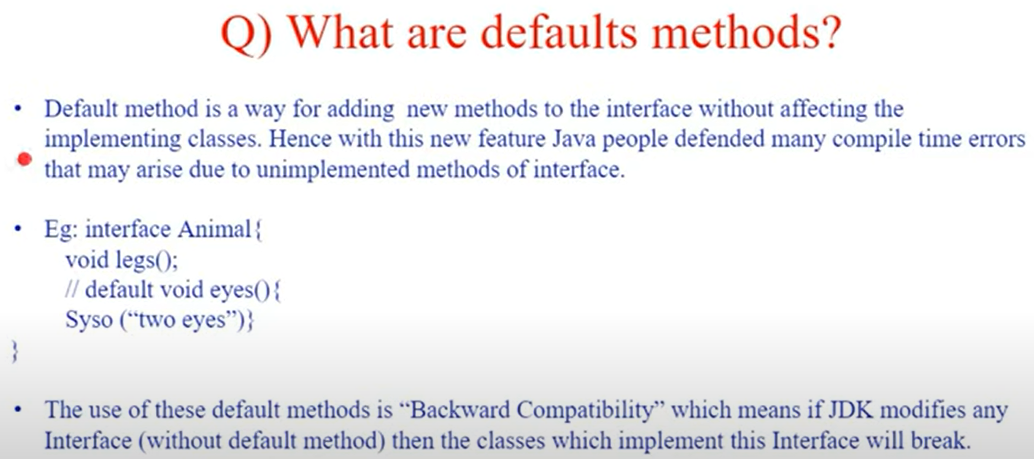
Functional Interface is used to provide reference to lambda expressions.

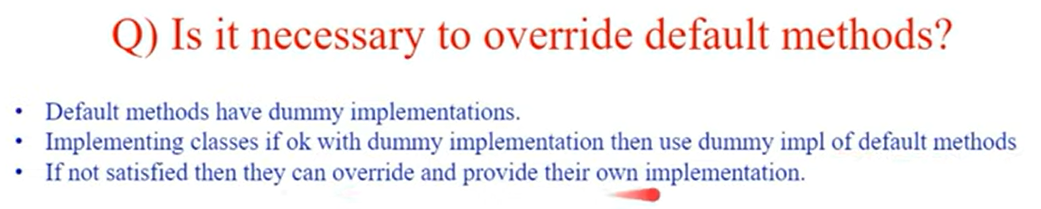
To call lambda expressions we need Functional Interfaces.

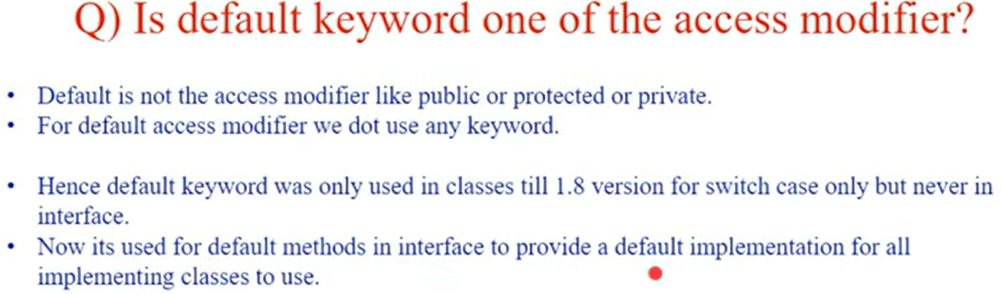
**Method Reference**



Default Methods







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Description automatically generated

Static Methods in Interface – Java 8

A close-up of a paper

Description automatically generated

Static methods will only be visible to interface not to the inherited classes. So to use we have to call by interface name. static method name.

A close-up of a web page

Description automatically generated

Predicate 🡪 Return type is always Boolean – accepts one parameter and checks the condition.



A close-up of a white background

Description automatically generated

A screenshot of a computer

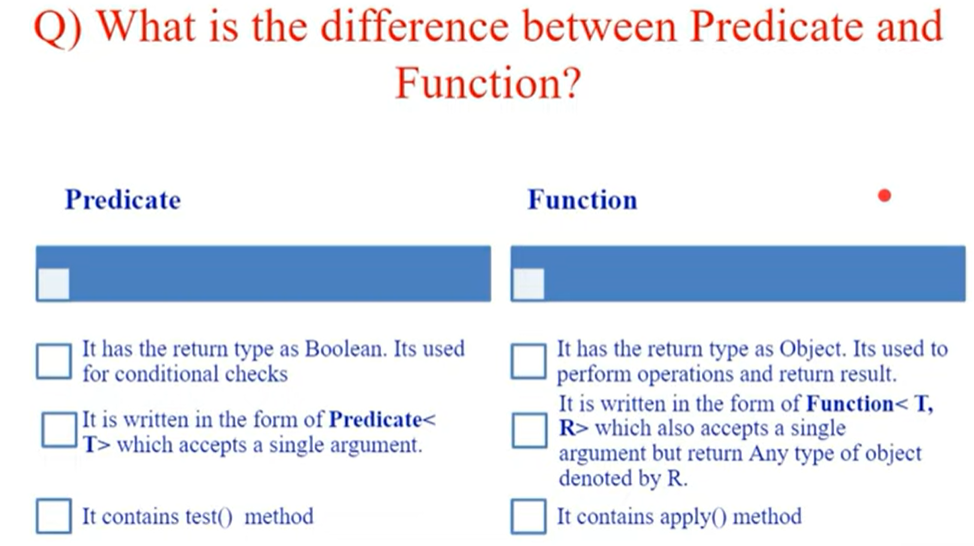
Description automatically generated

Negate 🡪 will reverse the result of Boolean Test. It will always accept one Test as input while for And & Or we will require minimum of 2 Test or input.

***Functions 🡪 it is used for performing operations on 1 input parameter & result to be processed (result might not in Boolean)***

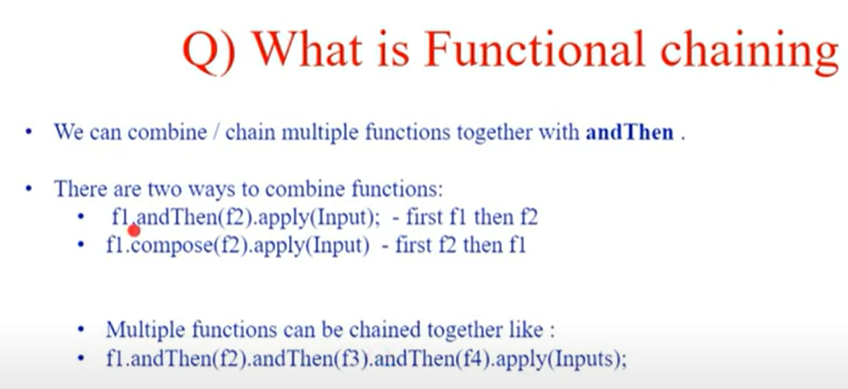
A screenshot of a computer program

Description automatically generated



Predicate 🡪 test () method & Function 🡪 apply() method can be used reuse the code.

***Functions 🡪 Chaining***



Consumer Functional Interface

A close-up of a computer code

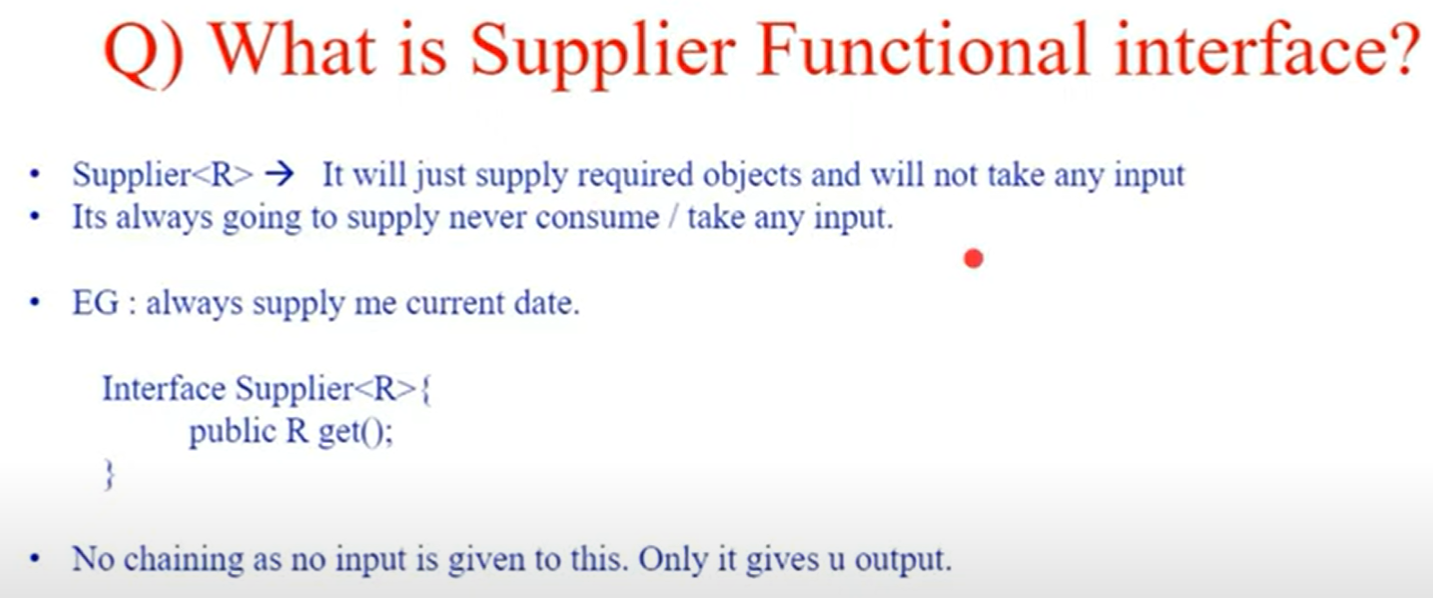
Description automatically generated

Consumer Chaining

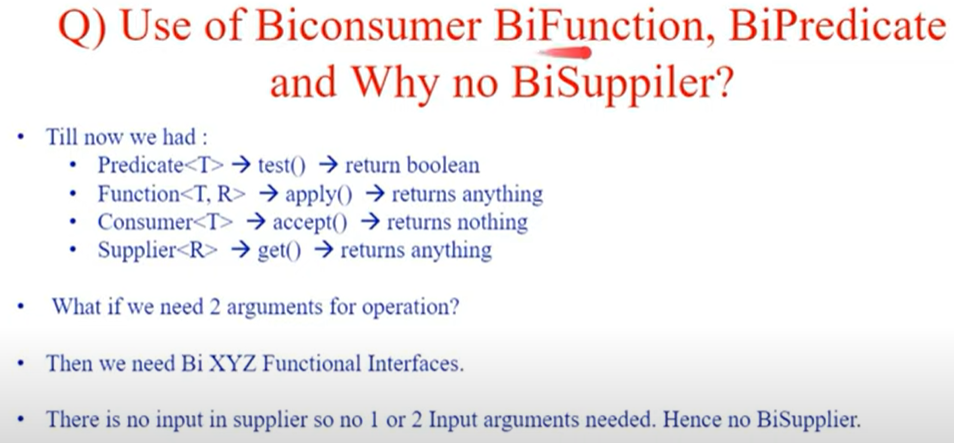
A person pointing to a question

Description automatically generated

Supplier



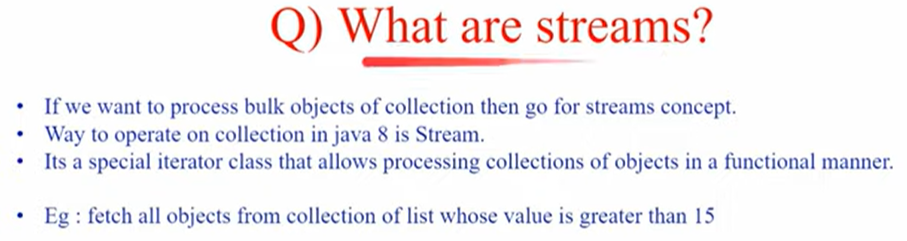
Use of BiConsumer BiFunction BiPredicate and BISupplier



A screenshot of a computer

Description automatically generated

***Streams***

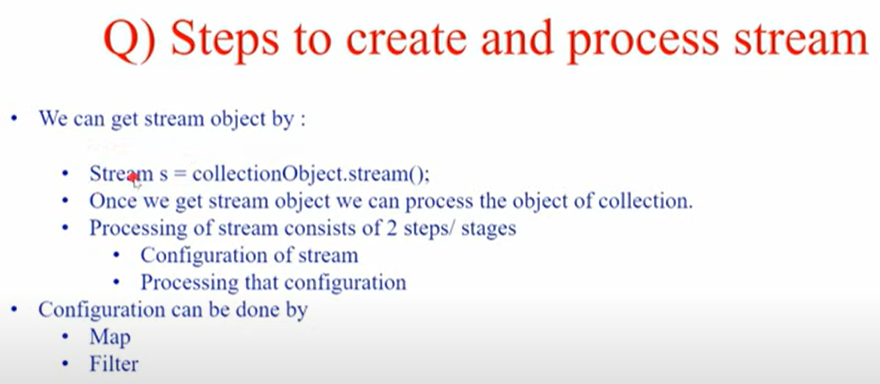


A white background with black text

Description automatically generated

A white paper with blue text

Description automatically generated



**Configuration of Stream**

A diagram of a stream

Description automatically generated

**Processing of Stream**

A diagram of a process

Description automatically generated

Static Methods

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Description automatically generated

**Static methods can only be used with interface name not with the implemented classes.**