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Topics For Today's Discussion

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Java Lambda Expressions



Java lambda expressions are Java's first step into functional programming

It is an anonymous function that doesn't have a name and doesn't belong to any class

It provides a clear and concise way to represent a method interface via an expression

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SYNTAX

```
parameter -> expression body
```

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SYNTAX

```
parameter -> expression body
```



Arrow Operator is introduced in Java through lambda expressions that divides it into two parts i.e Parameters & Body

CHARACTERISTICS

- > Optional Type Declarations
- > Optional Parenthesis Around Parameters
- > Optional Curly Braces
- > Optional return keyword

01

Functional Interface is an interface that contains exactly one abstract method

02

It can have any number of default or static methods along with object class methods

03

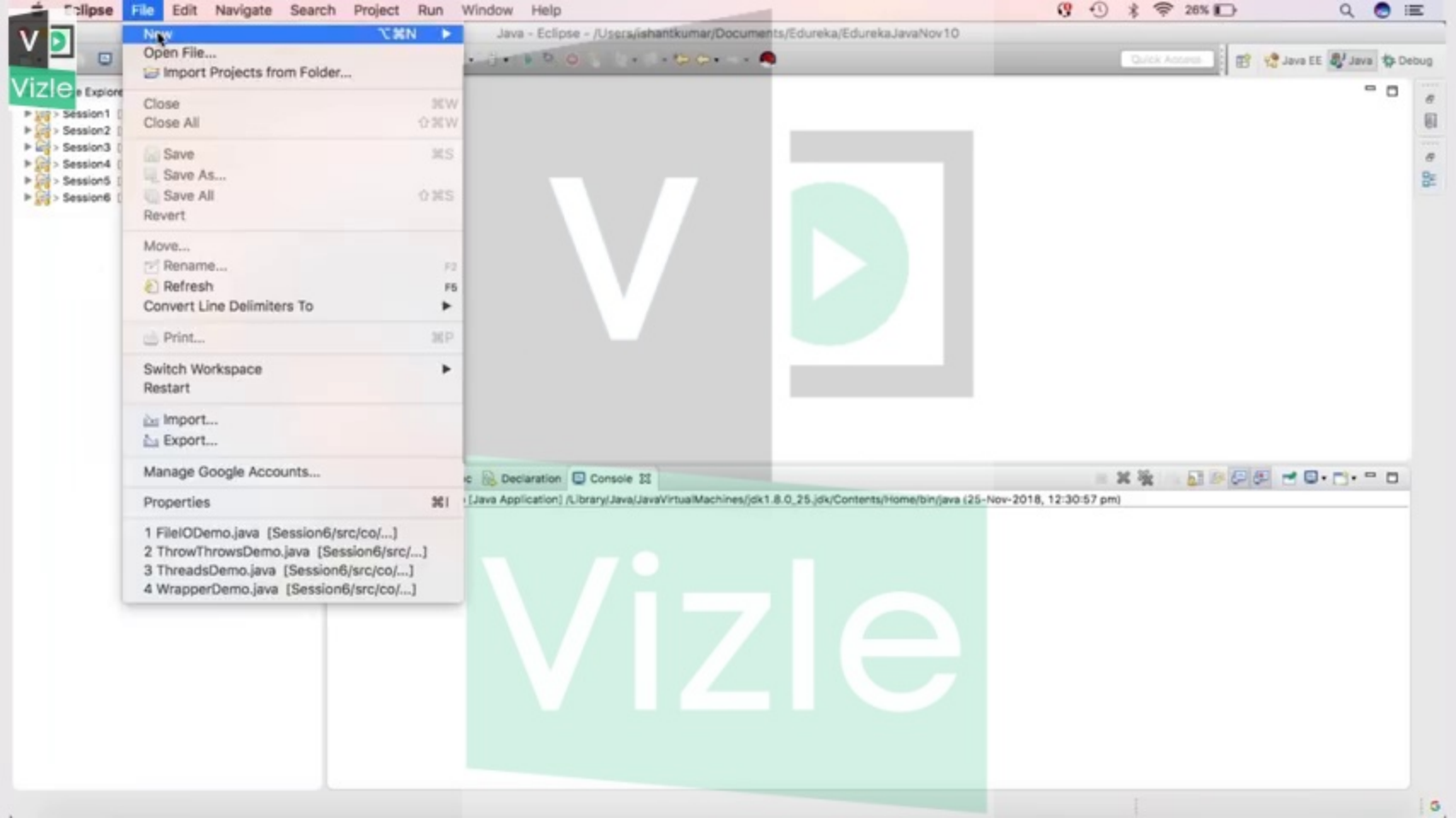
Java provides predefined functional interfaces to deal with functional programming

04

Runnable, ActionListener, Comparable are some of the examples of functional interfaces

```
@FunctionalInterface
interface displayable{
    void display(String msg);
}

public class Test implements displayable{
    public void display(String msg){
        System.out.println(msg);
    }
    public static void main(String[] args) {
        Test dis = new Test();
        dis.display("Welcome to Lambda Tutorial by Edureka!");
    }
}
```

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