#### **OOPS CODES IN JAVA:**

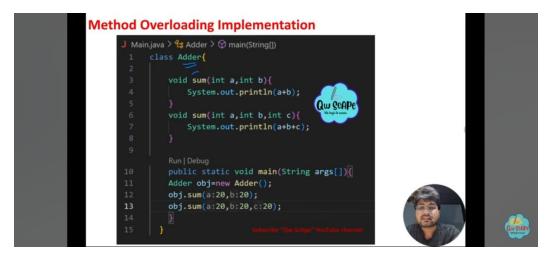
### **Encapsulation code:**



### **Inheritance code:**

### **POLYMORPHISM CODE:**

# **Method Overloading code:**



### Method overriding code:

#### **Abstraction code:**

```
► Run
                 Debug
                                 Share  Save
                          ■ Stop
                                                 { } Beautify
          :
Main.java
   8 abstract class Animal {
          abstract void makeSound();
  10
          void eat() {
               System.out.println("This animal eats food.");
  12
  13
          }
  14
      }
  15 class Dog extends Animal {
  16
          void makeSound() {
  17 -
  18
              System.out.println("Woof! Woof!");
  19
  20
      }
  21
  22 public class Main {
          public static void main(String[] args) {
  23 -
              Animal myDog = new Dog();
  24
              myDog.makeSound();
  25
              myDog.eat();
  26
  27
  28
                                                          input
        $
Woof! Woof!
This animal eats food.
```

## Interface code:

