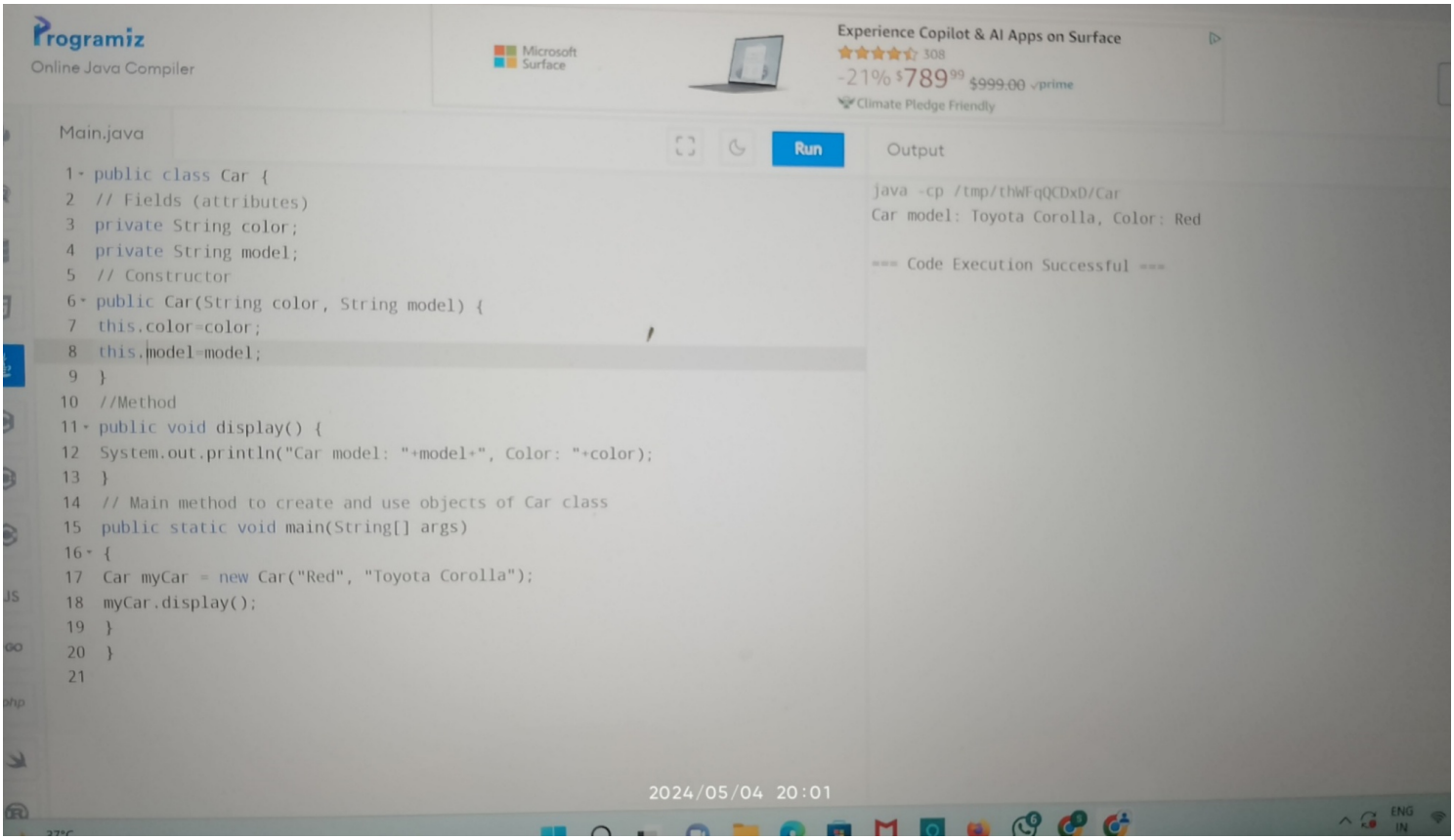
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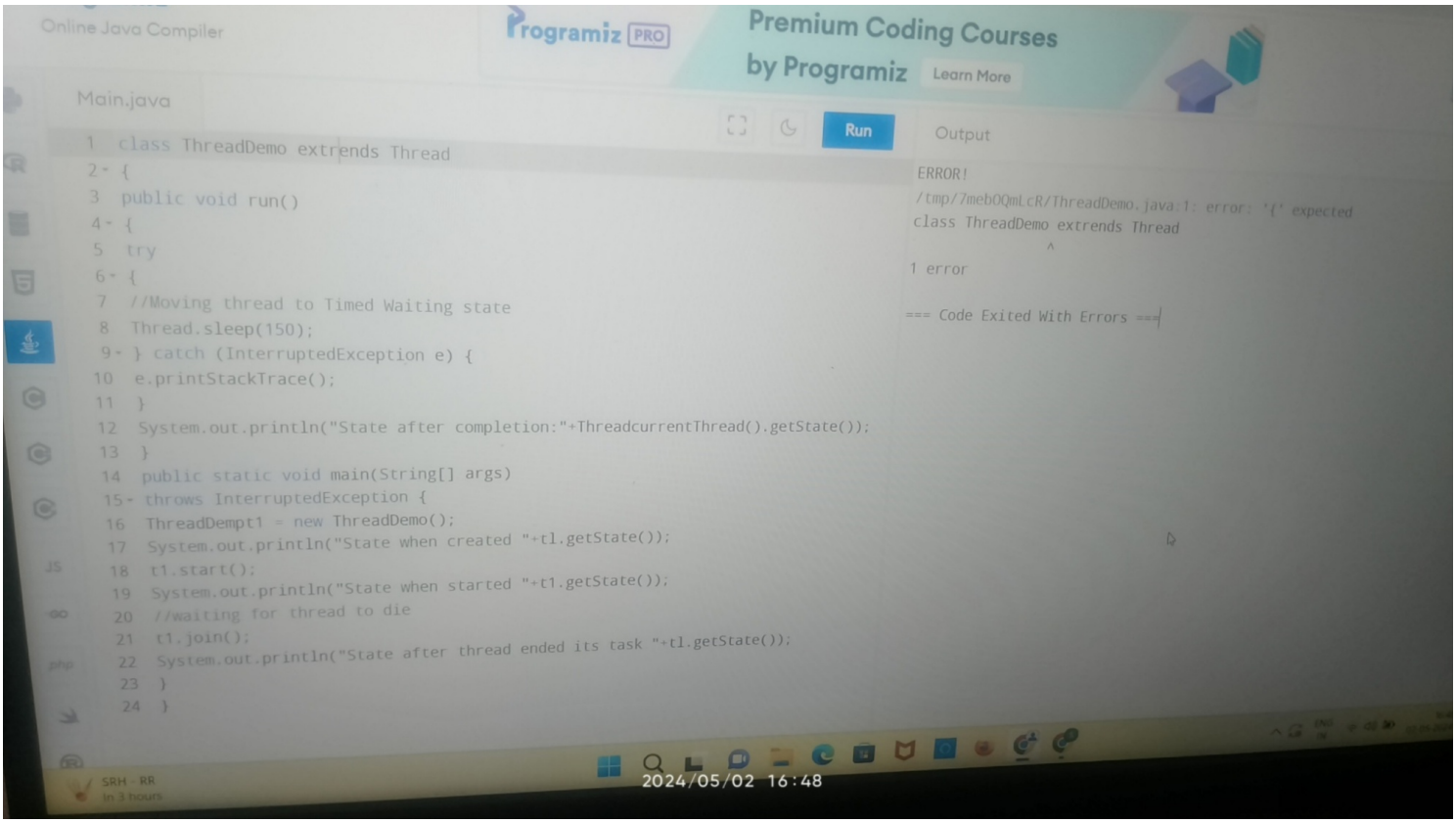
Main.java
Run
Output
1 public class Car {
2 // Fields (attributes)
3 private String color;
4 private String model;
5 // Constructor
6 public Car(String color, String model) {
7 this.color=color;
8 this.model=model;
9 }
10 //Method
11 public void display() {
12 System.out.println("Car model: "+model+", Color: "+color);
13 }
14 // Main method to create and use objects of Car class
15 public static void main(String[] args)
16 {
17 Car myCar = new Car("Red", "Toyota Corolla");
18 myCar.display();
19 }
20 }
21
java -cp /tmp/thWFqQCDxD/Car
Car model: Toyota Corolla, Color: Red
=== Code Execution Successful ===
2024/05/04 20:01
ENG
IN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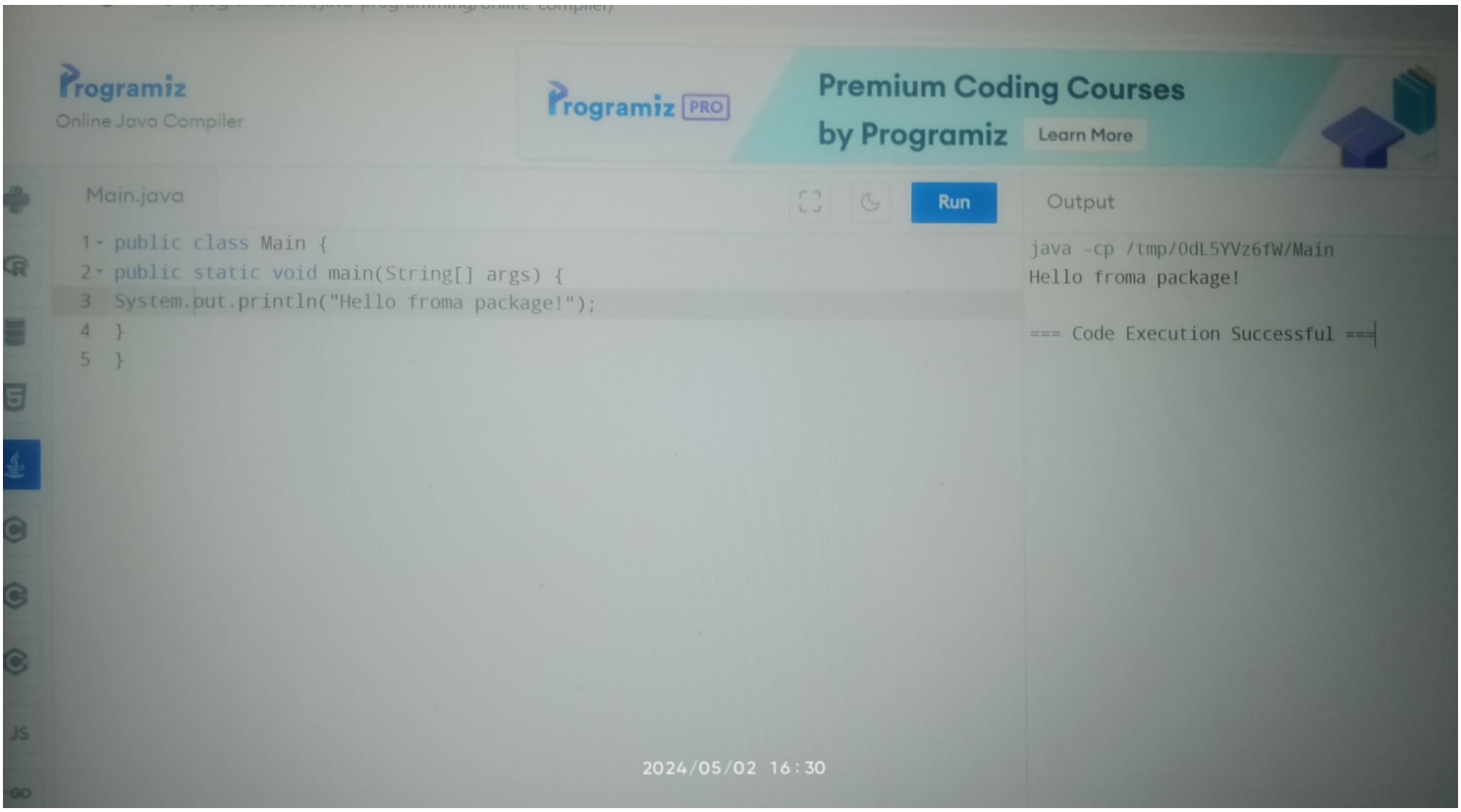
Main.java
Run
Output
1 class ThreadDemo extrends Thread
2 {
3 public void run()
4 {
5 try
6 {
7 //Moving thread to Timed Waiting state
8 Thread.sleep(150);
9 } catch (InterruptedException e) {
10 e.printStackTrace();
11 }
12 System.out.println("State after completion:"+ThreadcurrentThread().getState());
13 }
14 public static void main(String[] args)
15 throws InterruptedException {
16 ThreadDempt1 = new ThreadDemo();
17 System.out.println("State when created "+t1.getState());
18 t1.start();
19 System.out.println("State when started "+t1.getState());
20 //waiting for thread to die
21 t1.join();
22 System.out.println("State after thread ended its task "+t1.getState());
23 }
24 }
ERROR!
/tmp/7mebOQmLcR/ThreadDemo.java:1: error: '{' expected
class ThreadDemo extrends Thread
^
1 error
=== Code Exited With Errors ===
SRH - RR
In 3 hours
2024/05/02 16:48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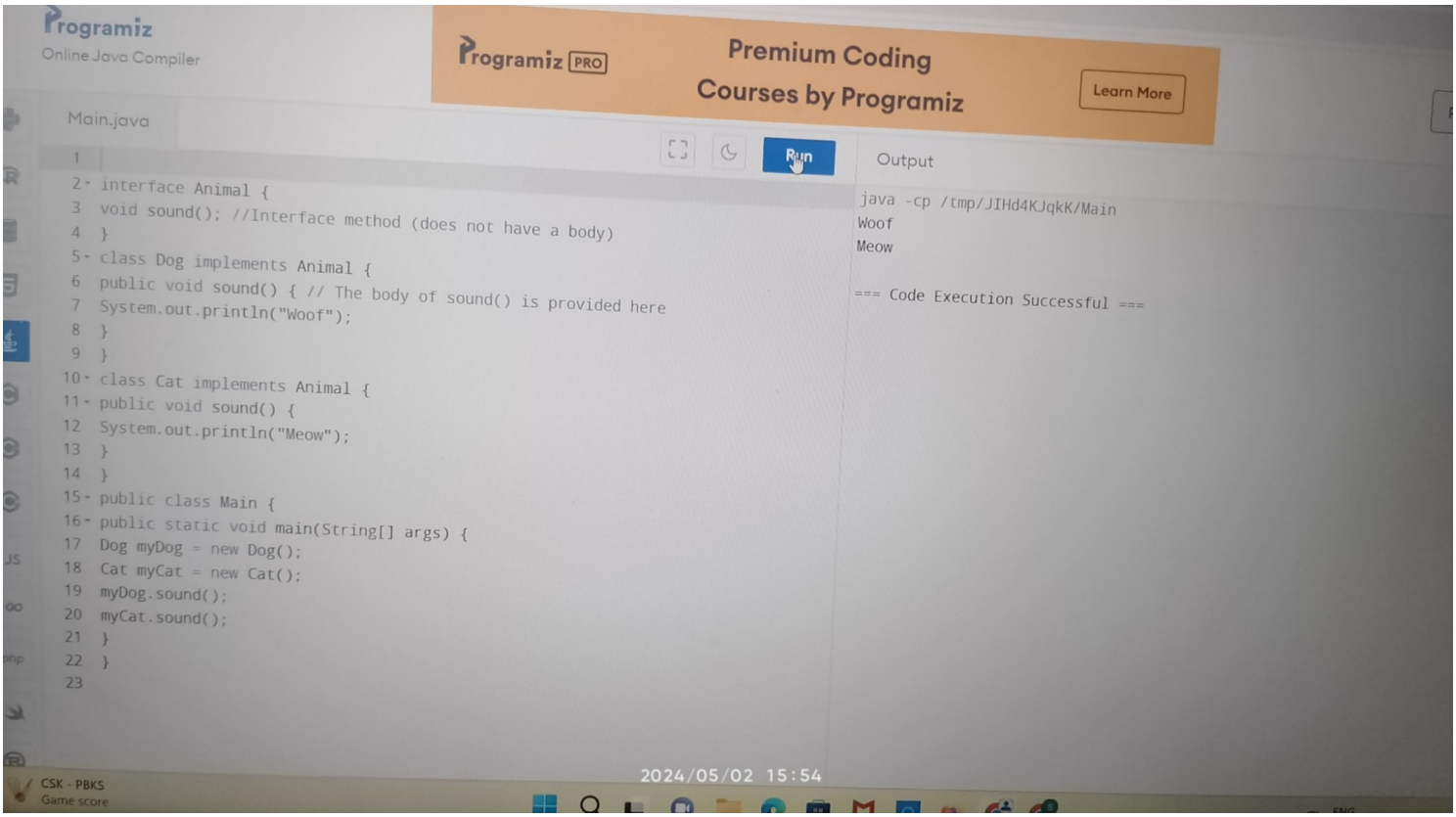
Main.java
Run
Output
1 public class Main {
2 public static void main(String[] args) {
3 System.out.println("Hello froma package!");
4 }
5 }
java -cp /tmp/OdL5YVz6fW/Main
Hello froma package!
=== Code Execution Successful ===
2024/05/02 16:30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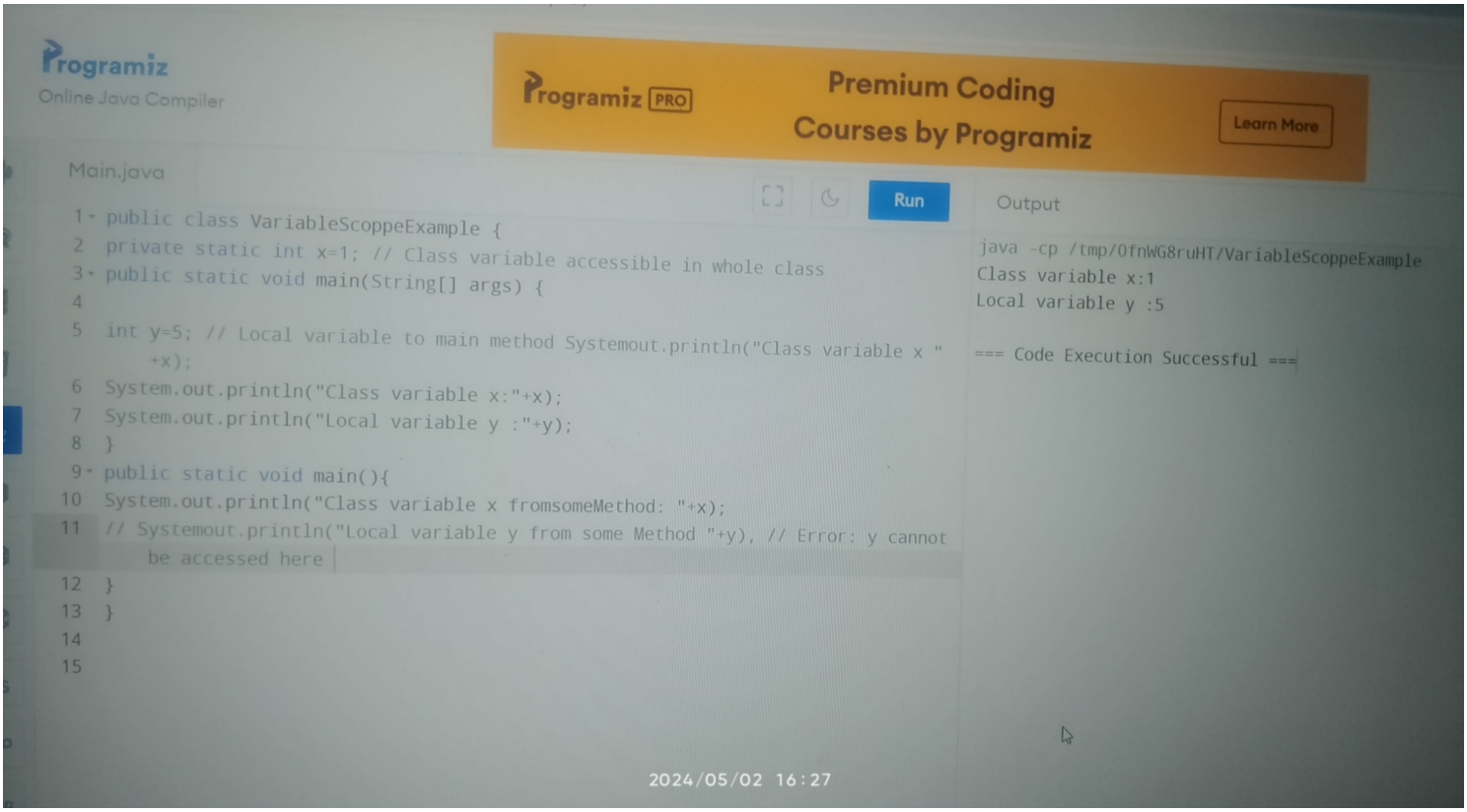
Main.java
Run
Output
interface Animal {
void sound(); //Interface method (does not have a body)
}
class Dog implements Animal {
public void sound() { // The body of sound() is provided here
System.out.println("Woof");
}
}
class Cat implements Animal {
public void sound() {
System.out.println("Meow");
}
}
public class Main {
public static void main(String[] args) {
Dog myDog = new Dog();
Cat myCat = new Cat();
myDog.sound();
myCat.sound();
}
}
java -cp /tmp/JIHd4KJqkK/Main
Woof
Meow
=== Code Execution Successful ===
CSK - PBKS
Game score
2024/05/02 15:54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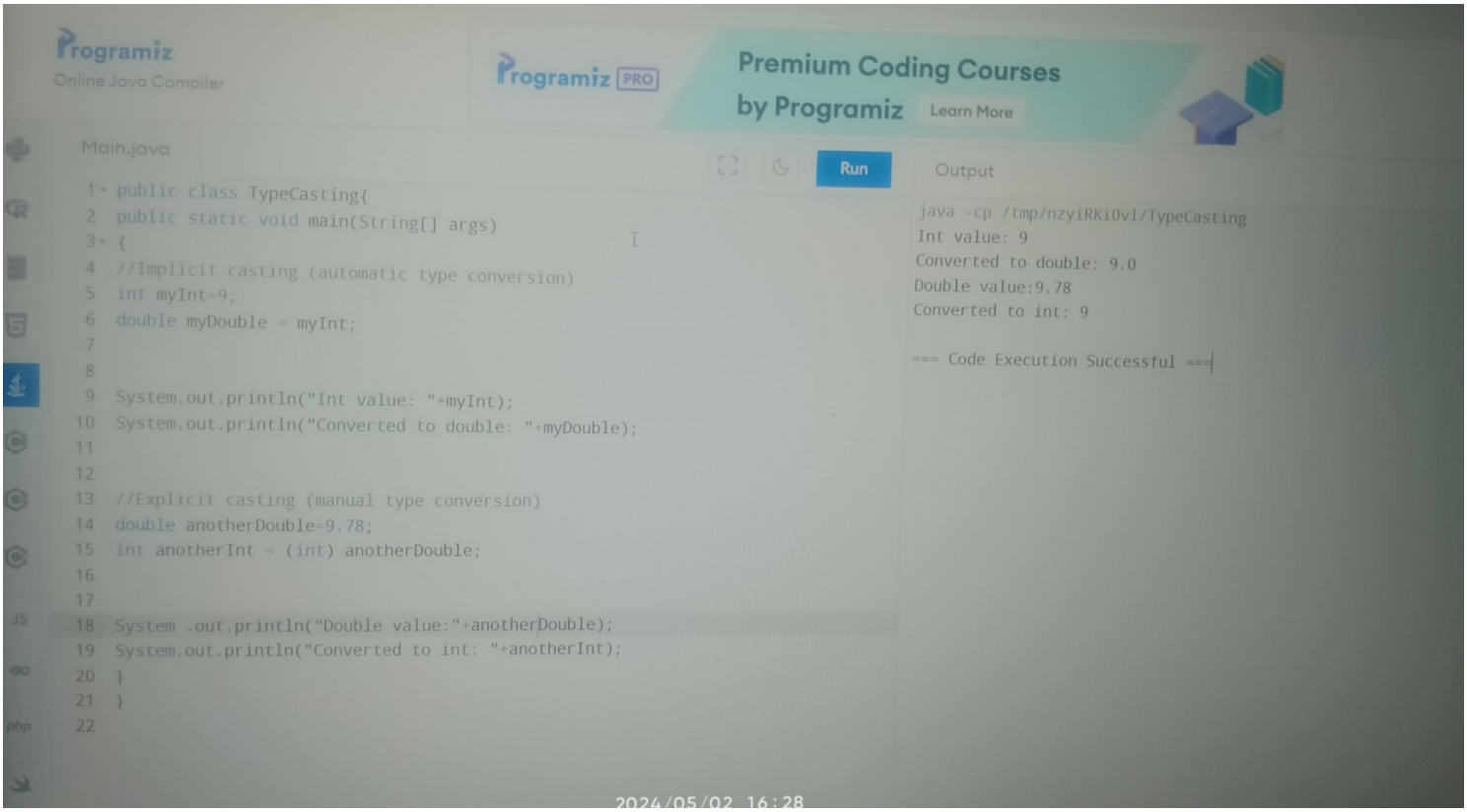
Main.java
Run
Output
1 public class VariableScoppeExample {
2 private static int x=1; // Class variable accessible in whole class
3 public static void main(String[] args) {
4
5 int y=5; // Local variable to main method Systemout.println("Class variable x "
+x);
6 System.out.println("Class variable x:"+x);
7 System.out.println("Local variable y :"+y);
8 }
9 public static void main(){
10 System.out.println("Class variable x fromsomeMethod: "+x);
11 // Systemout.println("Local variable y from some Method "+y), // Error: y cannot
be accessed here
12 }
13 }
14
15
java -cp /tmp/OfnWG8ruHT/VariableScoppeExample
Class variable x:1
Local variable y :5
=== Code Execution Successful ===
2024/05/02 16:27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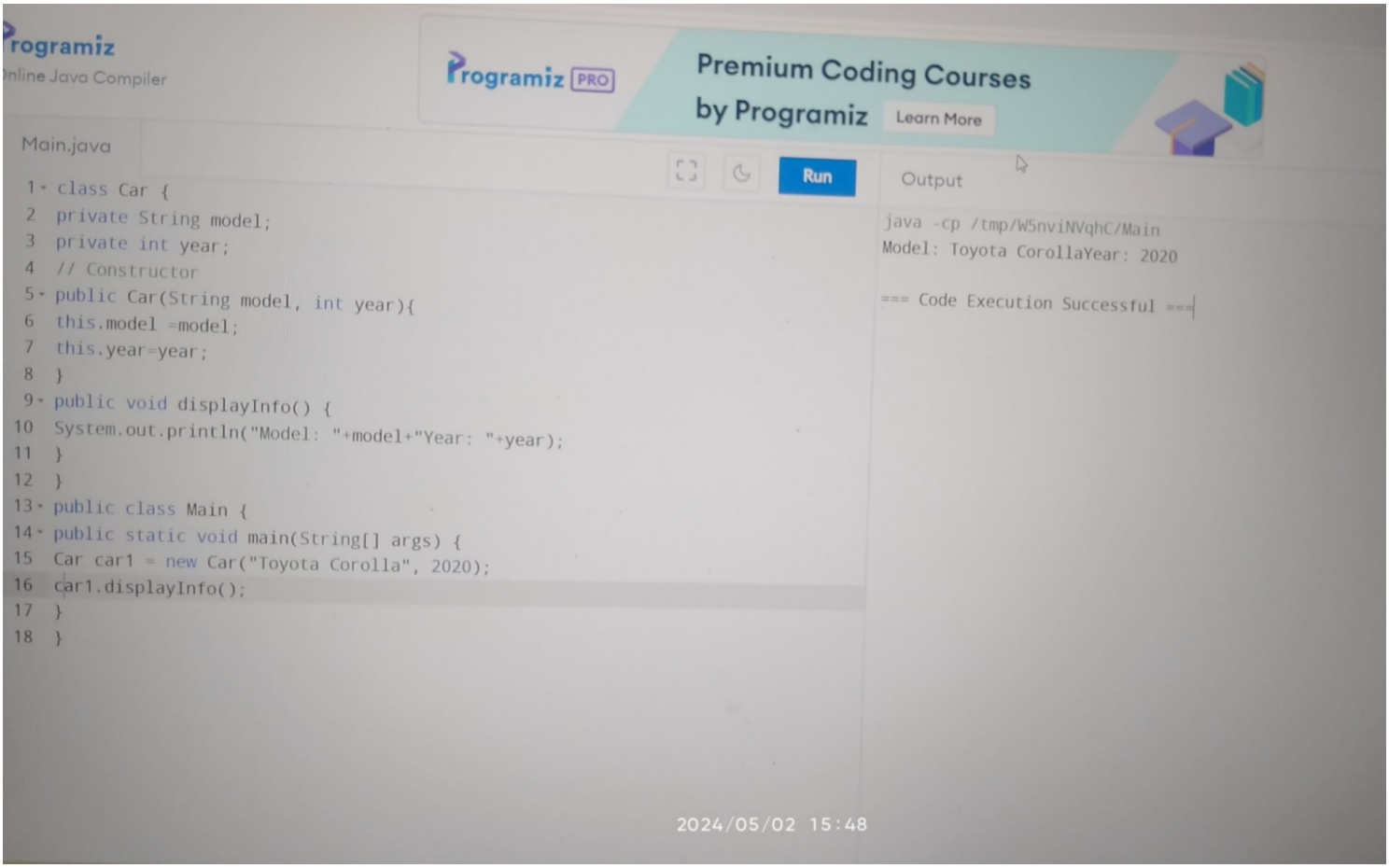
Main.java
Run
Output
1 public class TypeCasting{
2 public static void main(String[] args)
3 {
4 //Implicit casting (automatic type conversion)
5 int myInt=9;
6 double myDouble = myInt;
7
8
9 System.out.println("Int value: "+myInt);
10 System.out.println("Converted to double: "+myDouble);
11
12
13 //Explicit casting (manual type conversion)
14 double anotherDouble=9.78;
15 int anotherInt = (int) anotherDouble;
16
17
18 System .out.println("Double value:"+anotherDouble);
19 System.out.println("Converted to int: "+anotherInt);
20 }
21 }
22
java -cp /tmp/nzyiRKi0vl/TypeCasting
Int value: 9
Converted to double: 9.0
Double value:9.78
Converted to int: 9
=== Code Execution Successful ===
2024/05/02 16:28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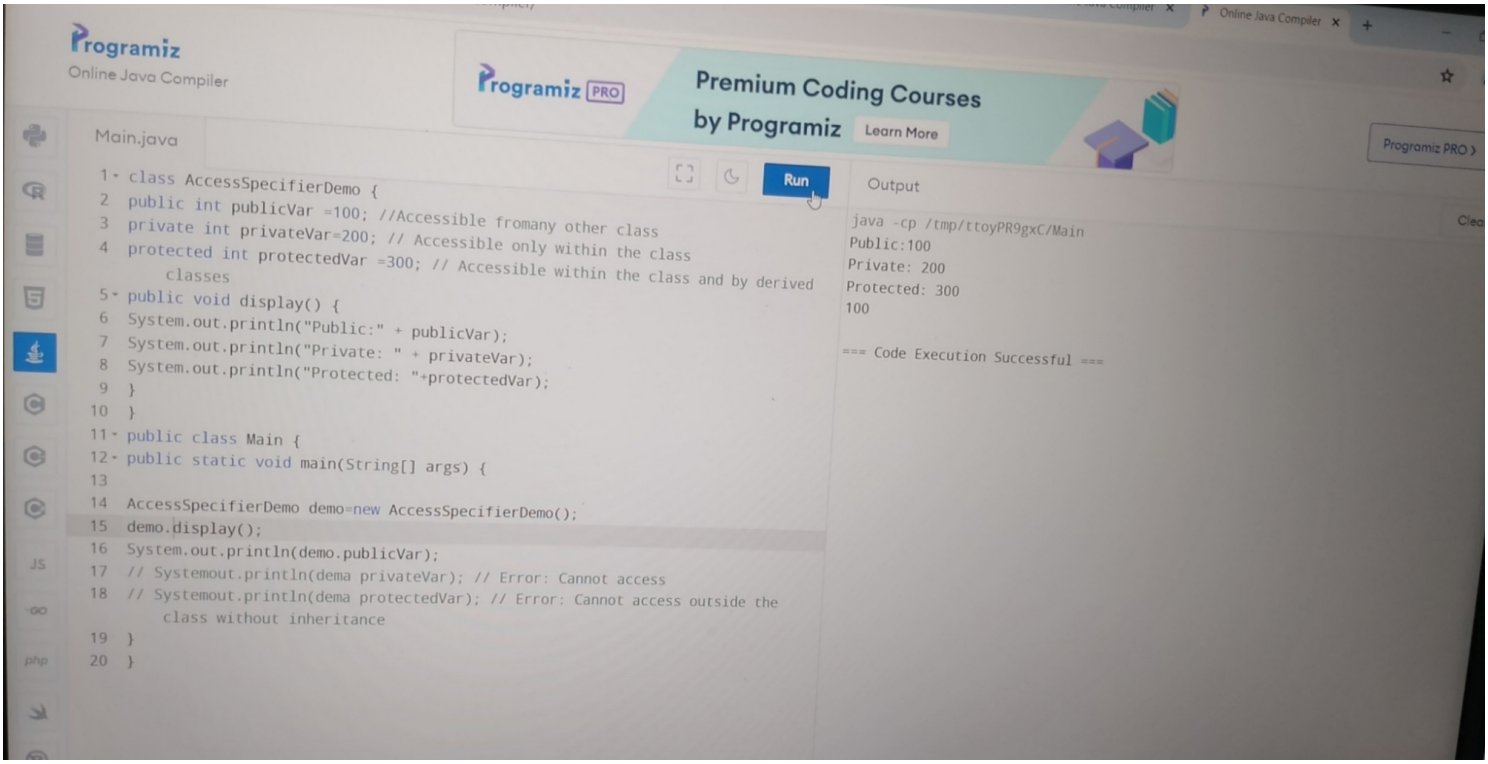
Main.java
Run
Output
1 class Car {
2 private String model;
3 private int year;
4 // Constructor
5 public Car(String model, int year){
6 this.model =model;
7 this.year=year;
8 }
9 public void displayInfo() {
10 System.out.println("Model: "+model+"Year: "+year);
11 }
12 }
13 public class Main {
14 public static void main(String[] args) {
15 Car car1 = new Car("Toyota Corolla", 2020);
16 car1.displayInfo();
17 }
18 }
java -cp /tmp/W5nviNVqhC/Main
Model: Toyota CorollaYear: 2020
=== Code Execution Successful ===
2024/05/02 15:48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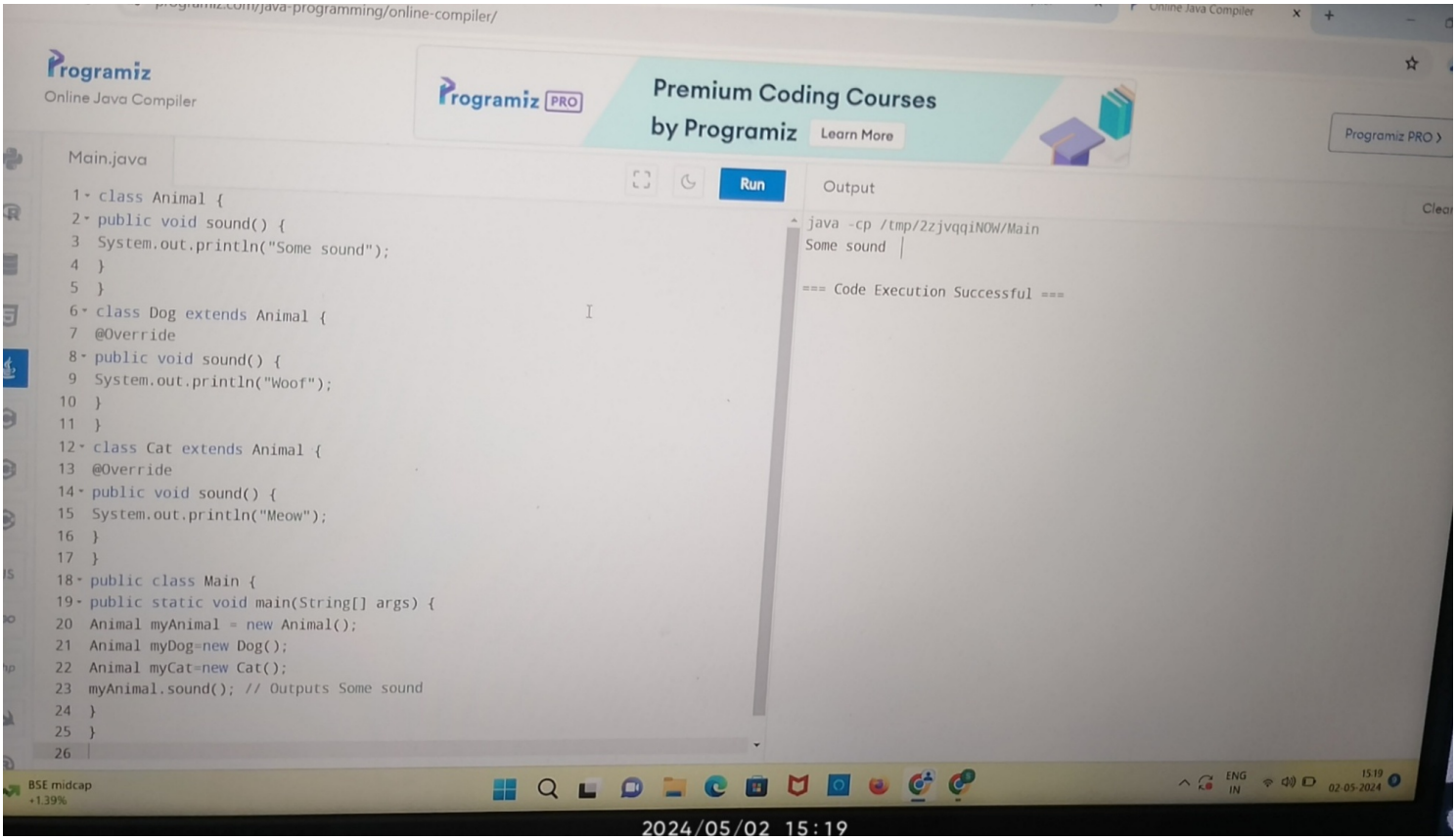
Main.java
Run
Output
class AccessSpecifierDemo {
public int publicVar =100; //Accessible fromany other class
private int privateVar=200; // Accessible only within the class
protected int protectedVar =300; // Accessible within the class and by derived classes
public void display() {
System.out.println("Public:" + publicVar);
System.out.println("Private: " + privateVar);
System.out.println("Protected: "+protectedVar);
}
}
public class Main {
public static void main(String[] args) {
AccessSpecifierDemo demo=new AccessSpecifierDemo();
demo.display();
System.out.println(demo.publicVar);
// Systemout.println(dema privateVar); // Error: Cannot access
// Systemout.println(dema protectedVar); // Error: Cannot access outside the class without inheritance
}
}
java -cp /tmp/ttoyPR9gxC/Main
Public:100
Private: 200
Protected: 300
100
=== Code Execution Successful ===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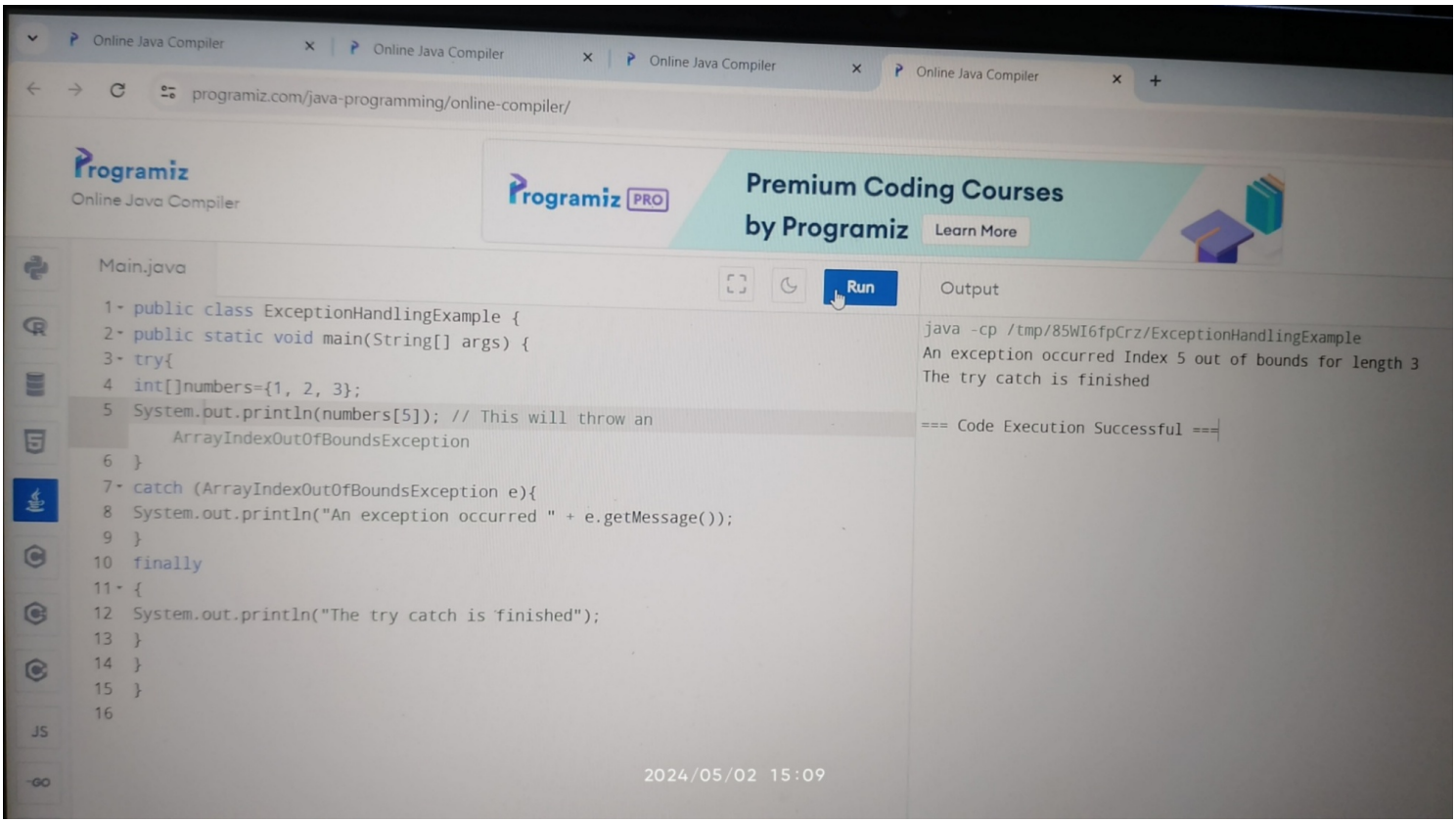
Main.java
Run
Output
class Animal {
public void sound() {
System.out.println("Some sound");
}
}
class Dog extends Animal {
@Override
public void sound() {
System.out.println("Woof");
}
}
class Cat extends Animal {
@Override
public void sound() {
System.out.println("Meow");
}
}
public class Main {
public static void main(String[] args) {
Animal myAnimal = new Animal();
Animal myDog=new Dog();
Animal myCat=new Cat();
myAnimal.sound(); // Outputs Some sound
}
}
java -cp /tmp/2zjvqqiNOW/Main
Some sound
=== Code Execution Successful ===
BSE midcap
+1.39%
ENG
IN
15:19
02-05-2024
2024/05/02 15:19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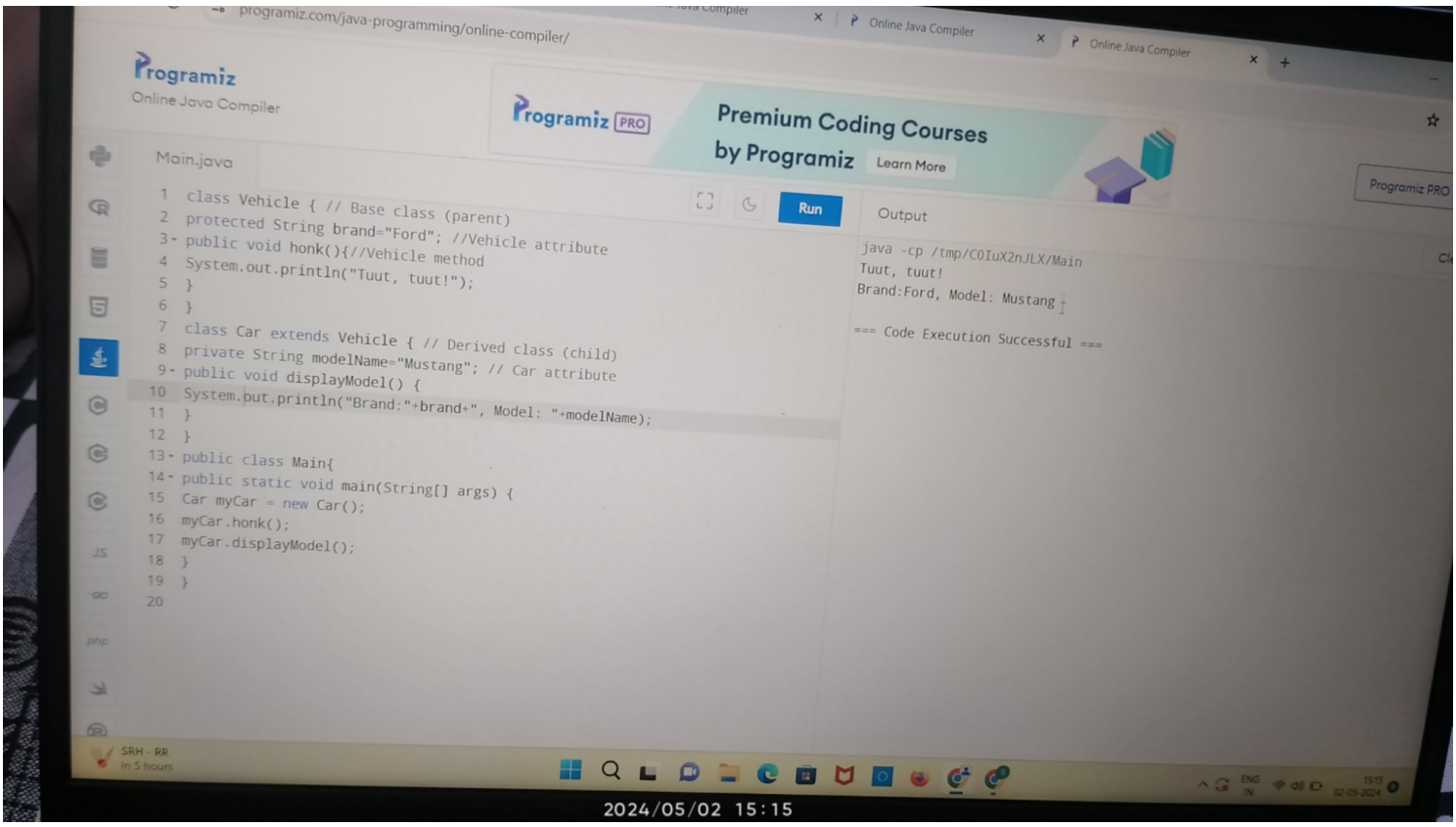
Main.java
Run
Output
1 public class ExceptionHandlingExample {
2 public static void main(String[] args) {
3 try{
4 int[]numbers={1, 2, 3};
5 System.out.println(numbers[5]); // This will throw an
ArrayIndexOutOfBoundsException
6 }
7 catch (ArrayIndexOutOfBoundsException e){
8 System.out.println("An exception occurred " + e.getMessage());
9 }
10 finally
11 {
12 System.out.println("The try catch is finished");
13 }
14 }
15 }
16
java -cp /tmp/85WI6fpCrz/ExceptionHandlingExample
An exception occurred Index 5 out of bounds for length 3
The try catch is finished
=== Code Execution Successful ===
2024/05/02 15:09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Main.java
Run
Output
1 class Vehicle { // Base class (parent)
2 protected String brand="Ford"; //Vehicle attribute
3 public void honk(){//Vehicle method
4 System.out.println("Tuut, tuut!");
5 }
6 }
7 class Car extends Vehicle { // Derived class (child)
8 private String modelName="Mustang"; // Car attribute
9 public void displayModel() {
10 System.out.println("Brand:"+brand+", Model: "+modelName);
11 }
12 }
13 public class Main{
14 public static void main(String[] args) {
15 Car myCar = new Car();
16 myCar.honk();
17 myCar.displayModel();
18 }
19 }
20
java -cp /tmp/COIuX2nJLX/Main
Tuut, tuut!
Brand:Ford, Model: Mustang
=== Code Execution Successful ===
SRH - RR
in 5 hours
ENG
IN
15:15
02-05-2024
2024/05/02 15:15