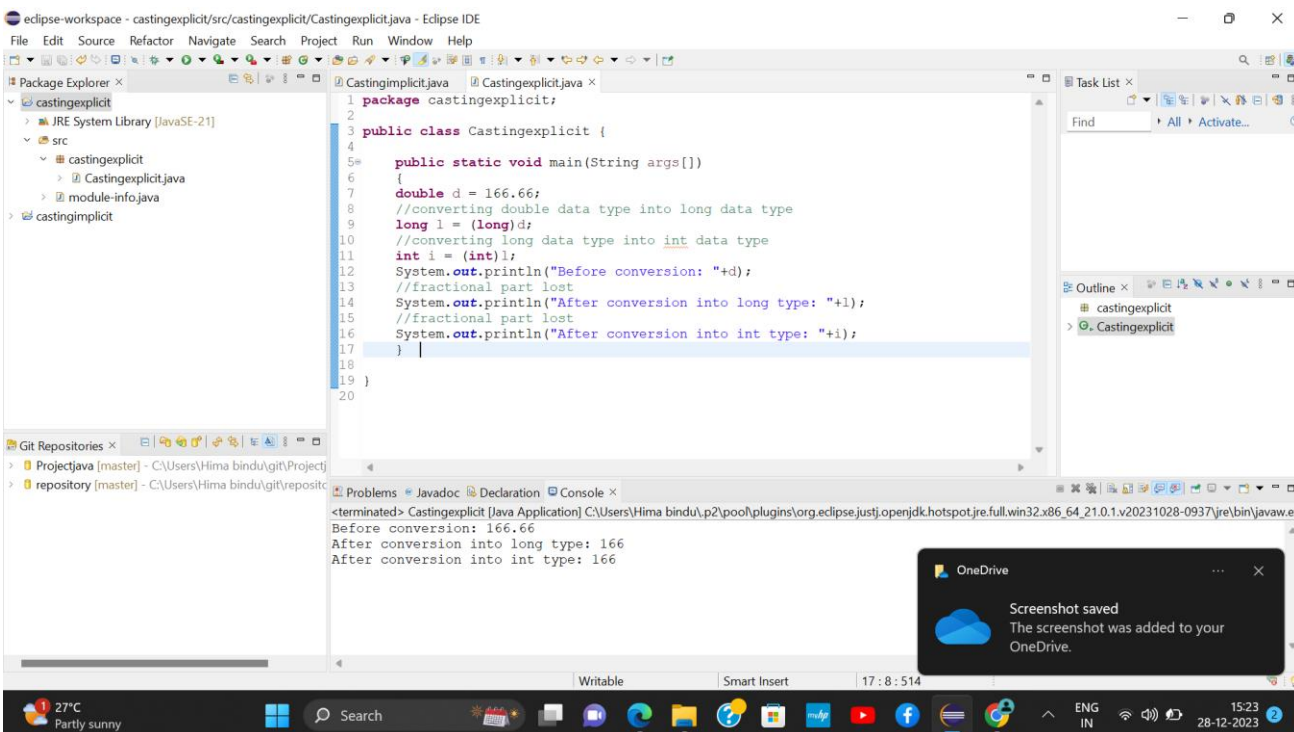
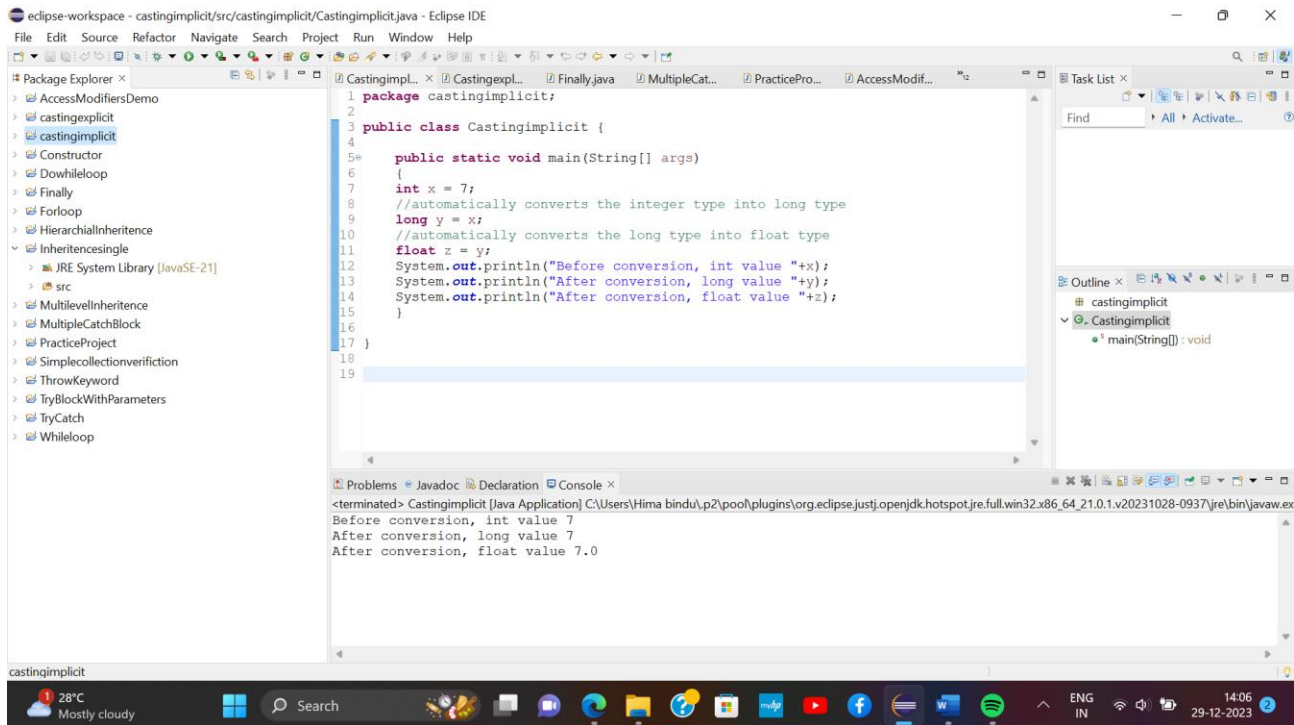
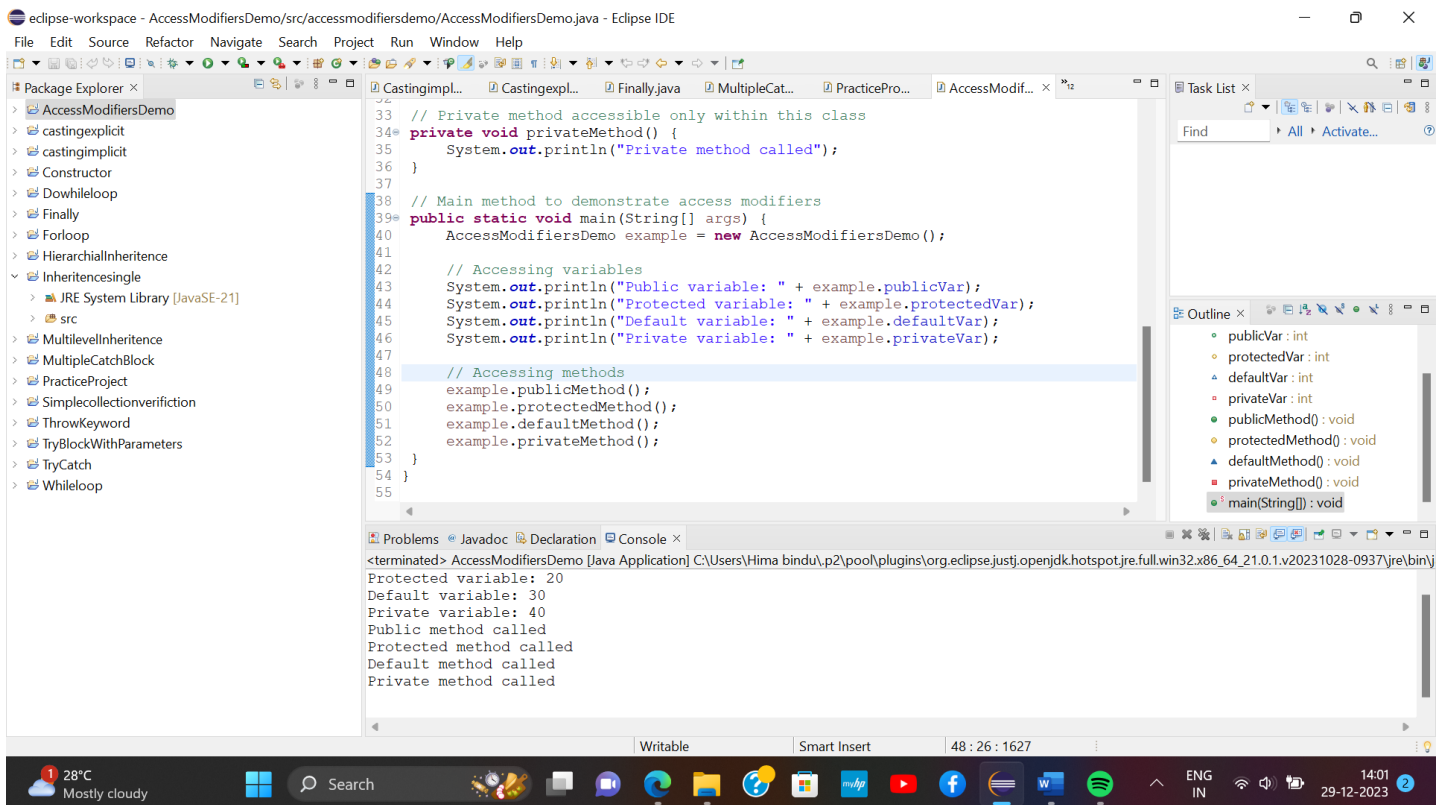


Assisted Practice Project Output Screenshots:

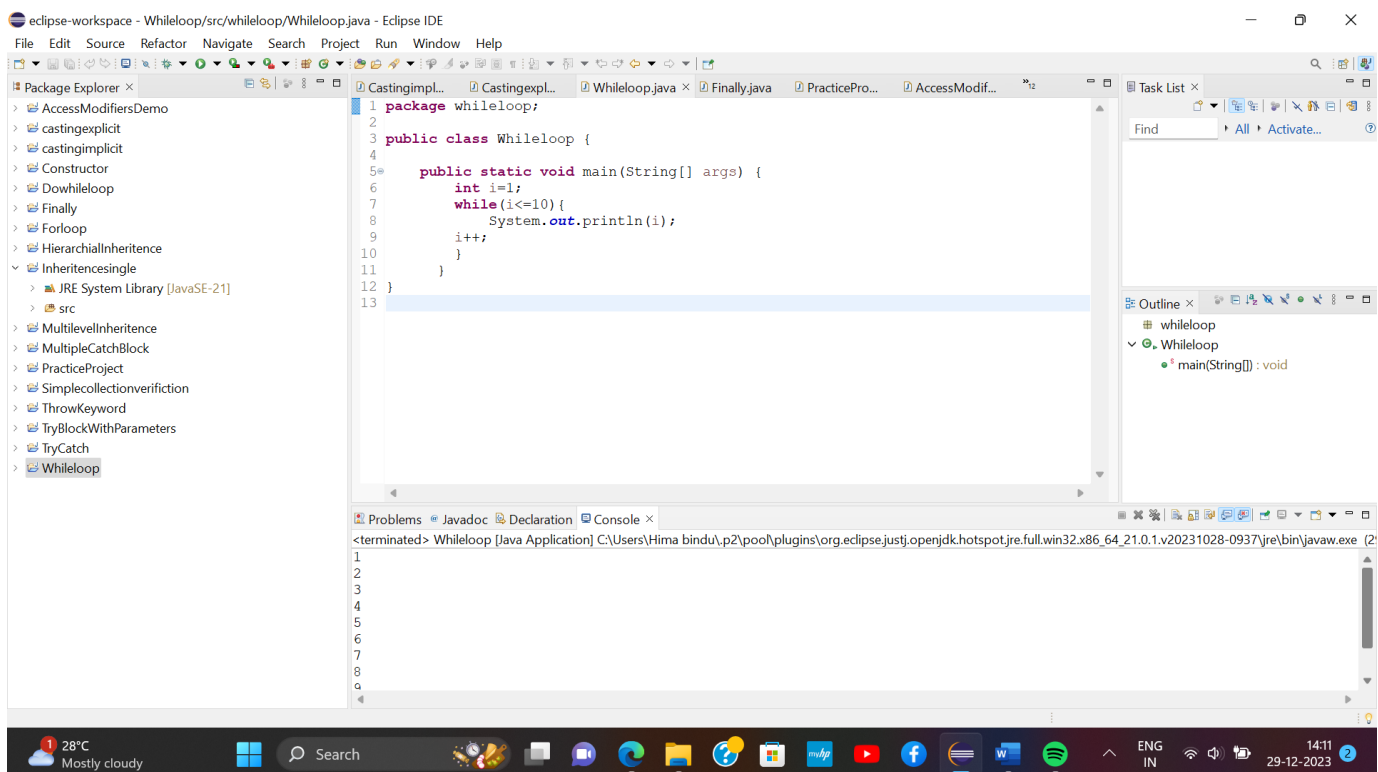
Program 1: Implicit and Explicit Type Casting



Program 2: Access Modifiers



Program 3: While loop



Program 4: Do While loop

eclipse-workspace - Dowhileloop/src/dowhileloop/Dowhileloop.java - Eclipse IDE

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Package Explorer

- > AccessModifiersDemo
- > castingexplicit
- > castingimplicit
- > Constructor
- > Dowhileloop
- > Finally
- > Forloop
- > HierarchialInheritance
- > Inheritencesingle
- > MultilevelInheritance
- > MultipleCatchBlock
- > PracticeProject
- > Simplecollectionverification
- > ThrowKeyword
- > TryBlockWithParameters
- > TryCatch
- > Whileloop

```
1 package dowhileloop;
2
3 public class Dowhileloop {
4
5     public static void main(String args[])
6     {
7         int i = 1;
8
9         do {
10
11             System.out.println("Hello World");
12             i++;
13         }
14
15         while (i < 6);
16     }
17 }
18
19
20
21
22
```

Task List

Find All Activate...

Outline

- dowhileloop
- ▼ Dowhileloop
 - main(String[]) : void

Problems Javadoc Declaration Console

```
<terminated> Dowhileloop [Java Application] C:\Users\Hima bindu\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.1.v20231028-0937\jre\bin\javaw.exe
Hello World
Hello World
Hello World
Hello World
Hello World
```

Dowhileloop

28°C Mostly cloudy

Search

ENG IN 14:14 29-12-2023

Program 5: For loop

eclipse-workspace - Forloop/src/forloop/Forloop.java - Eclipse IDE

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Package Explorer

- > AccessModifiersDemo
- > castingexplicit
- > castingimplicit
- > Constructor
- > Dowhileloop
- > Finally
- > Forloop
- > HierarchialInheritance
- > Inheritencesingle
- > MultilevelInheritance
- > MultipleCatchBlock
- > PracticeProject
- > Simplecollectionverification
- > ThrowKeyword
- > TryBlockWithParameters
- > TryCatch
- > Whileloop

```
1 package forloop;
2
3 public class Forloop {
4     public static void main(String[] args) {
5         //Code of Java for loop
6         for(int i=1;i<=10;i++){
7             System.out.println(i);
8         }
9     }
10 }
11
12
```

Task List

Find All Activate...

Outline

- forloop
- ▼ Forloop
 - main(String[]) : void

Problems Javadoc Declaration Console

```
<terminated> Forloop [Java Application] C:\Users\Hima bindu\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.1.v20231028-0937\jre\bin\javaw.exe
1
2
3
4
5
6
7
8
9
10
```

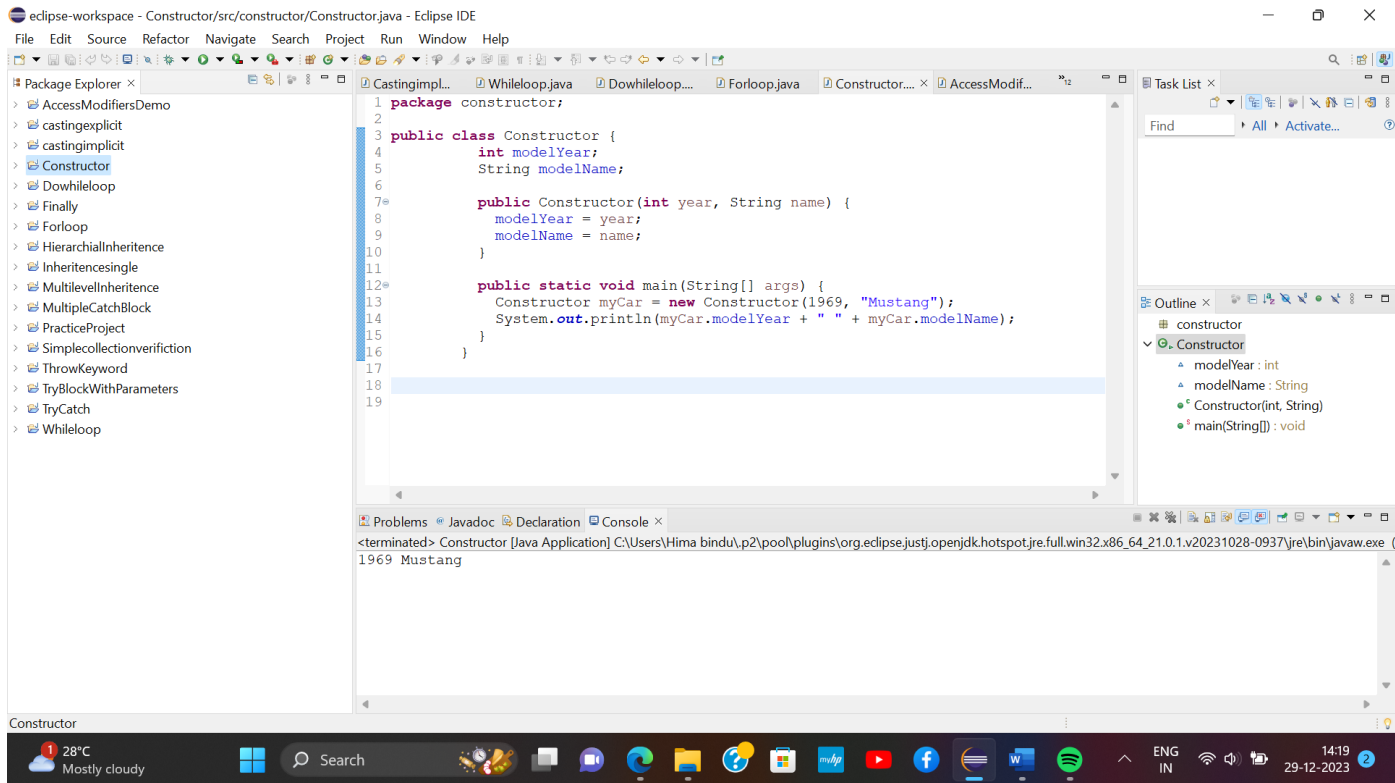
Writable Smart Insert 12 : 1 : 209

28°C Mostly cloudy

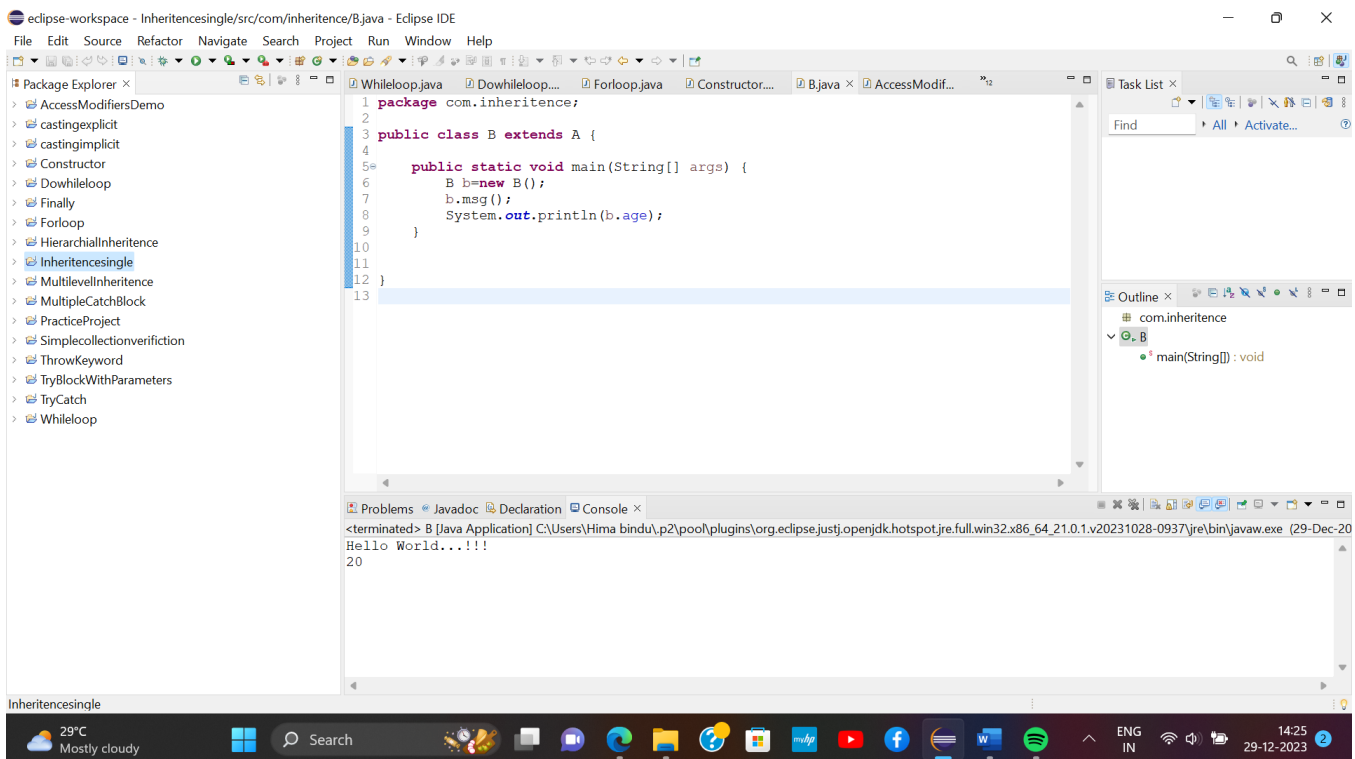
Search

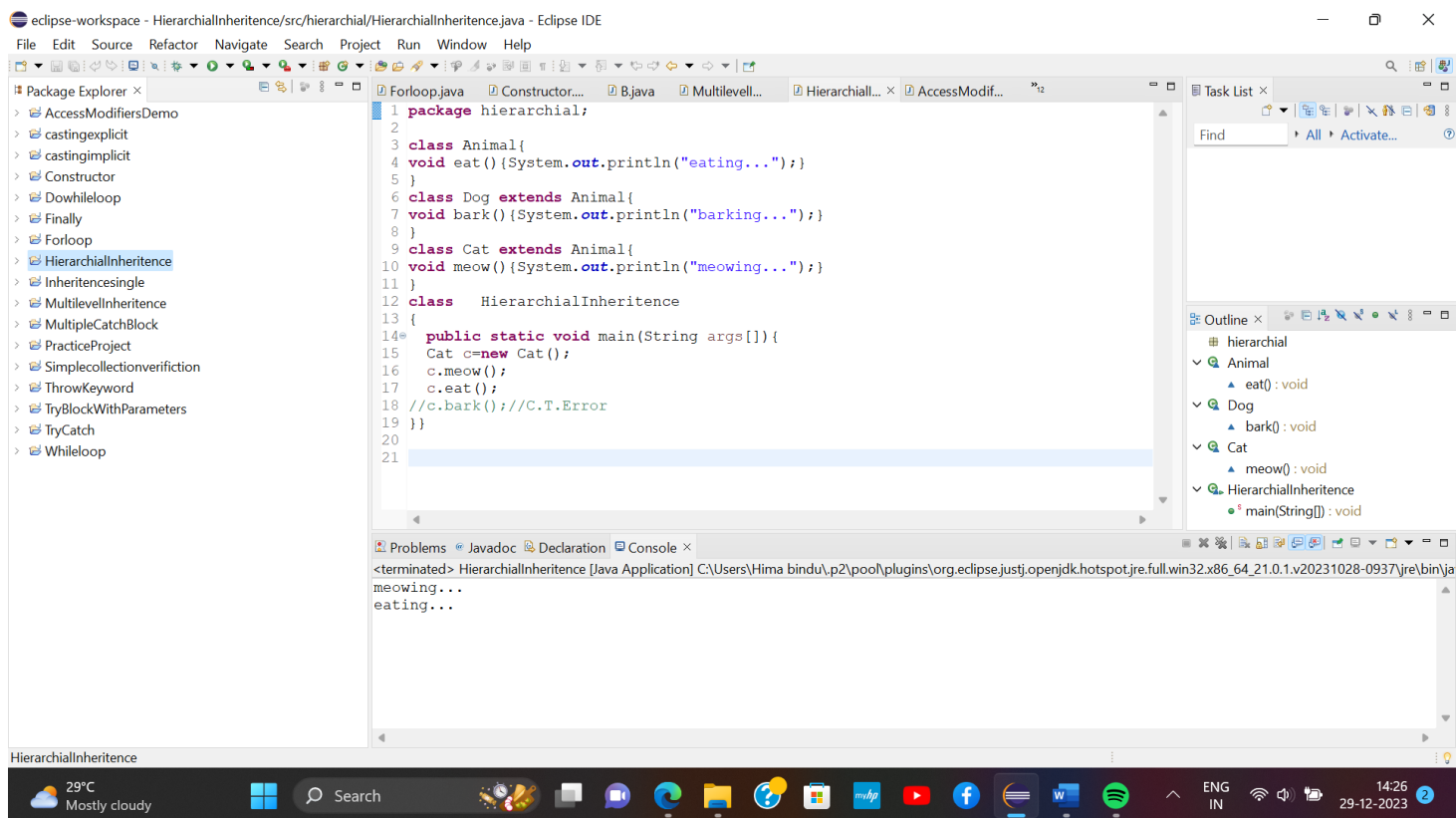
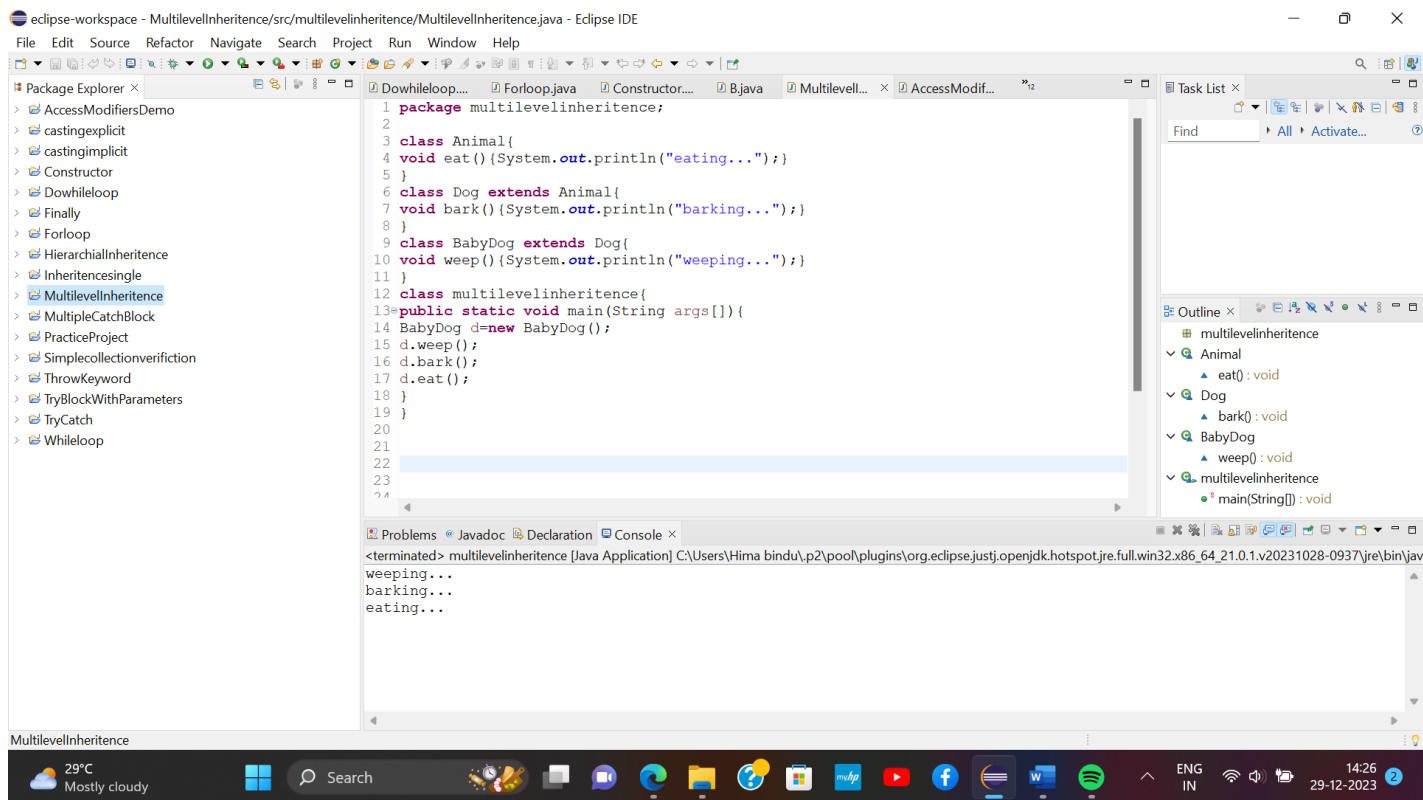
ENG IN 14:17 29-12-2023

Program 6: Classes, Objects and Constructors



Program 7: Types of Inheritance





Program 7: Verify Implementation of Collections

The screenshot shows the Eclipse IDE with the file `Simplecollectionverification.java` open. The code in the editor is as follows:

```
15 myList.add("Orange");
16 // Display elements in the list
17 System.out.println("Elements in the list: " + myList);
18
19 // Check the size of the list
20 System.out.println("Size of the list: " + myList.size());
21
22 // Check if the list contains a specific element
23 String searchElement = "Banana";
24 System.out.println("Does the list contain '" + searchElement + "': " + myL
25
26 // Remove an element from the list
27 String elementToRemove = "Apple";
28 myList.remove(elementToRemove);
29 System.out.println("List after removing '" + elementToRemove + "': " + myL
30
31 // Check if the list is empty
32 System.out.println("Is the list empty: " + myList.isEmpty());
33 }
34 }
35
36
37
```

The console output at the bottom shows the following:

```
<terminated> Simplecollectionverification [Java Application] C:\Users\Hima bindu\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.1.v20231028-0937\jre\
Elements in the list: [Apple, Banana, Orange]
Size of the list: 3
Does the list contain 'Banana': true
List after removing 'Apple': [Banana, Orange]
Is the list empty: false
```

Program 8: try-catch block

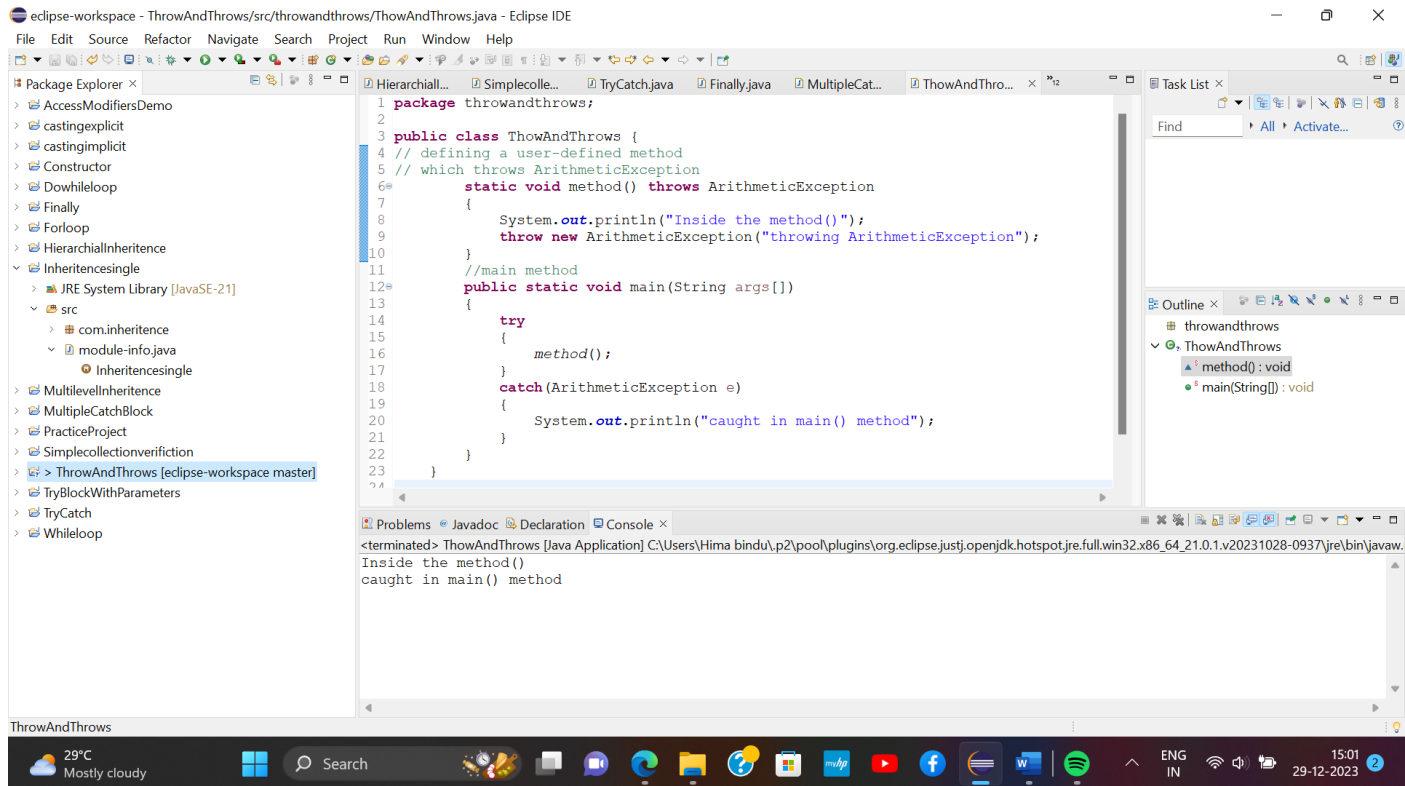
The screenshot shows the Eclipse IDE with the file `TryCatch.java` open. The code in the editor is as follows:

```
1 package trycatch;
2
3 public class TryCatch {
4
5     public static void main(String[] args) {
6         try {
7             int[] myNumbers = {1, 2, 3};
8             System.out.println(myNumbers[10]);
9         } catch (Exception e) {
10             System.out.println("Something went wrong.");
11         }
12     }
13 }
14
15
16
```

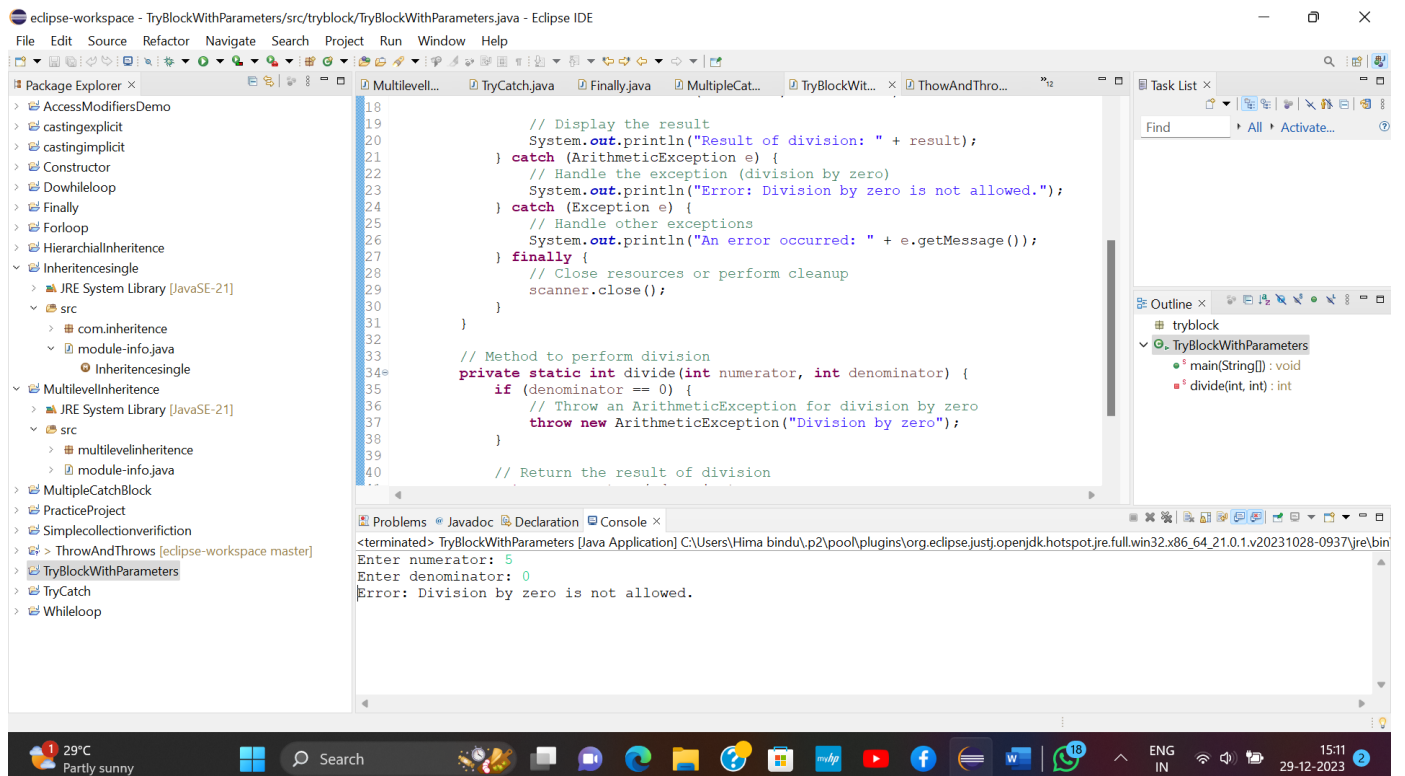
The console output at the bottom shows the following:

```
<terminated> TryCatch [Java Application] C:\Users\Hima bindu\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.1.v20231028-0937\jre\bin\javaw.exe (29-
Something went wrong.
```

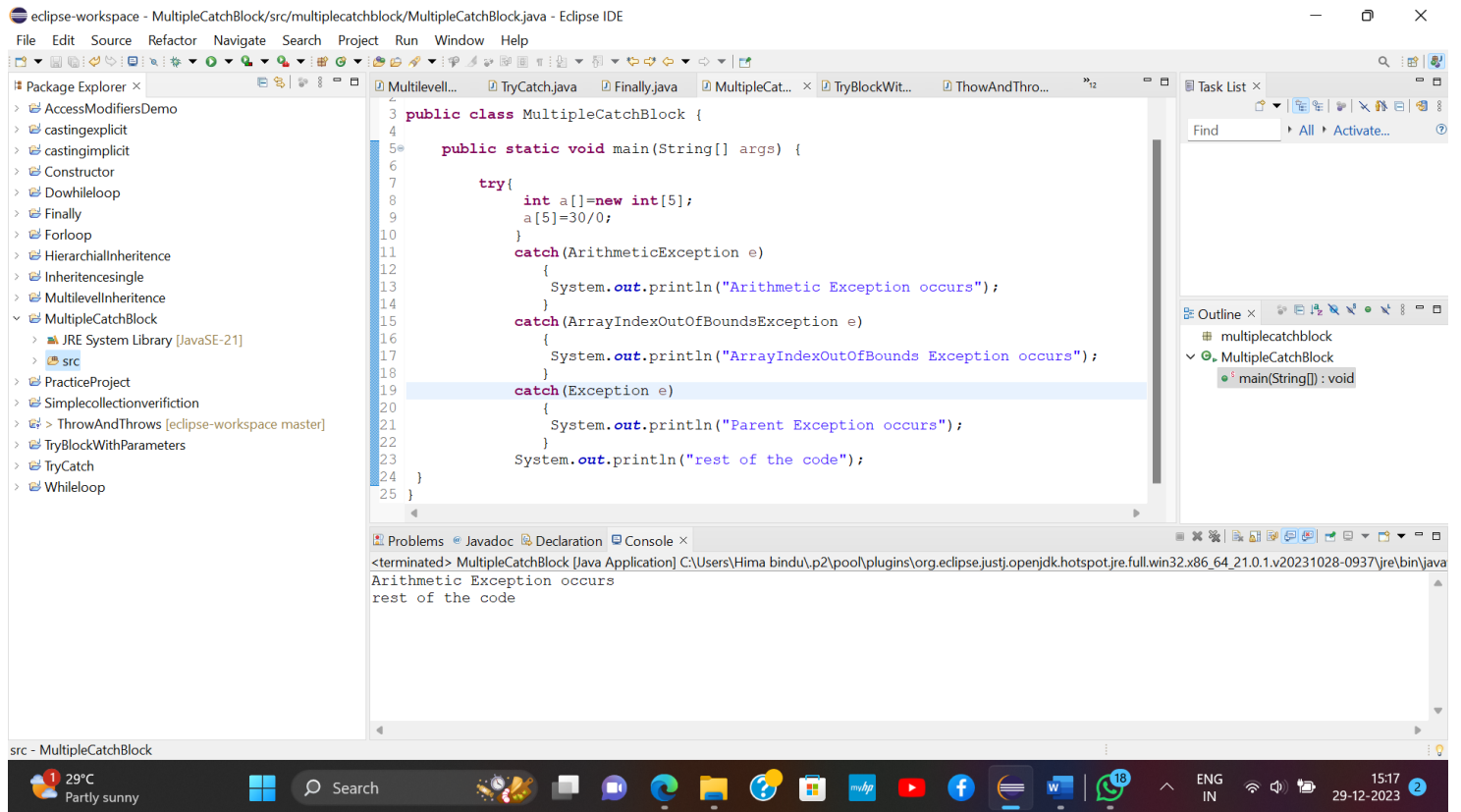

Program 9: Throw and Throws keyword



Program 10: Try Block with Parameters



Program 11: Multiple Catch Blocks



Program 12: Finally block

