Single Inheritance:
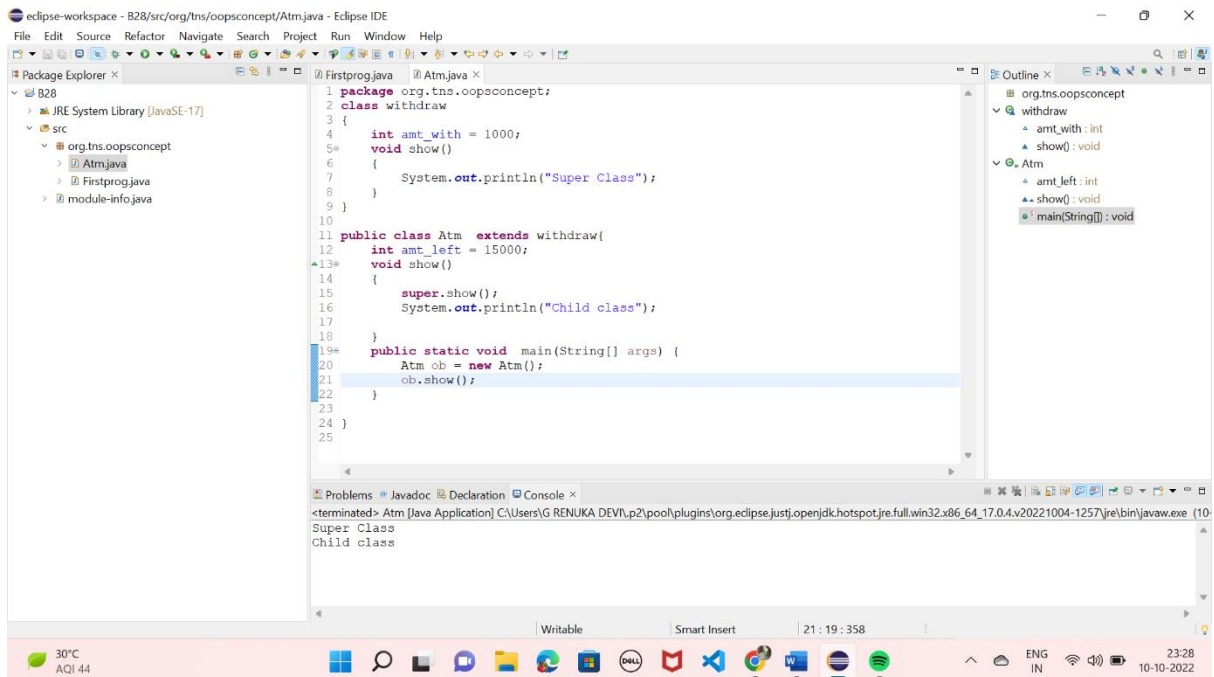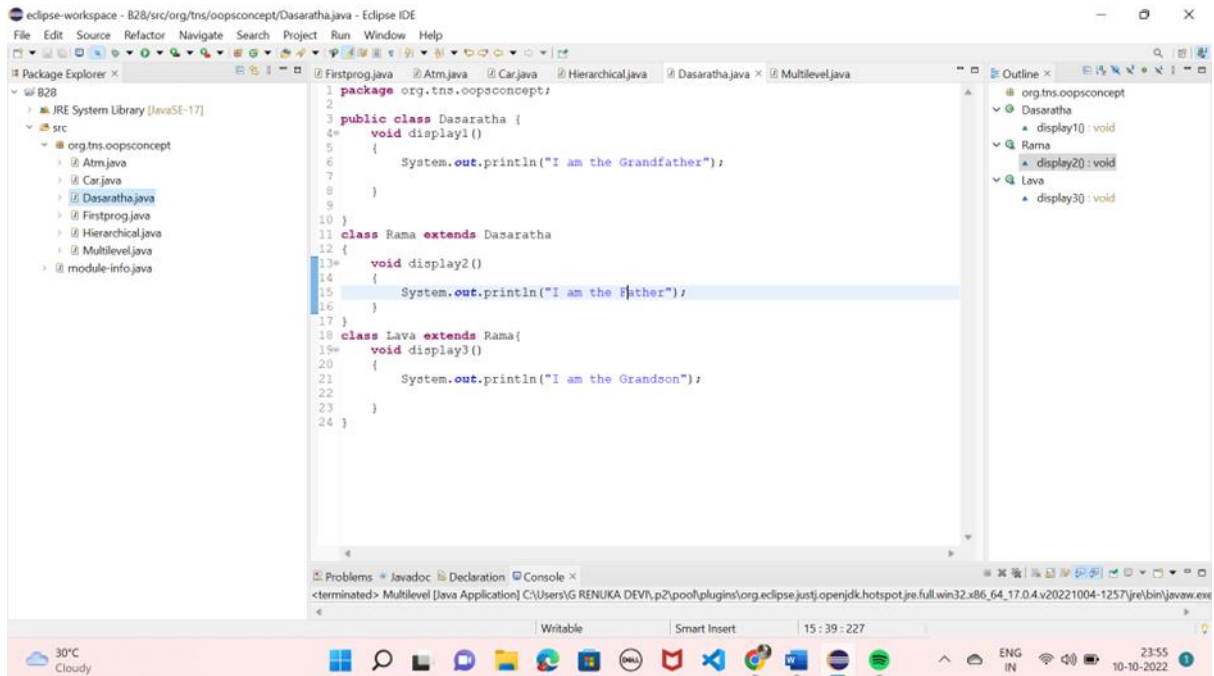


```java
package org.tns.oopsconcept;
class withdraw
{
    int amt_with = 1000;
    void show()
    {
        System.out.println("Super Class");
    }
}

public class Atm  extends withdraw{
    int amt_left = 15000;
    void show()
    {
        super.show();
        System.out.println("Child class");

    }
    public static void  main(String[] args) {
        Atm ob = new Atm();
        ob.show();
    }

}
```

Console output:
```
Super Class
Child class
```

Multilevel Inheritance:


```java
package org.tns.oopsconcept;

public class Dasaratha {
    void display1()
    {
        System.out.println("I am the Grandfather");

    }
}
class Rama extends Dasaratha {
    void display2()
    {
        System.out.println("I am the Father");
    }
}
class Lava extends Rama{
    void display3()
    {
        System.out.println("I am the Grandson");

    }
}
```

Hierarchical Inheritance:

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

- B28
  - JRE System Library [JavaSE-17]
  - src
    - org.tns.oopsconcept
      - Atm.java
      - Car.java
      - Firstprog.java
      - Hierarchical.java
    - module-info.java

Firstprog.java   Atm.java   Car.java   Hierarchical.java ×

```java
1 package org.tns.oopsconcept;
2
3 public class Hierarchical {
4     public static void main (String[] args) {
5         Suv ob1 = new Suv();
6         ob1.displaynames();
7         ob1.model3();
8         Hatchback ob2 = new Hatchback();
9         ob2.model2();
10        Seden ob3 = new Seden();
11        ob3.model1();
12    }
13
14 }
15
```

Outline ×

- org.tns.oopsconcept
- Hierarchical
  - main(String[]) : void

Problems   Javadoc   Declaration   Console ×

<terminated> Hierarchical [Java Application] C:\Users\G RENUKA DEVI\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20221004-1257\jre\bin\javaw.e
Following models of the cars are available
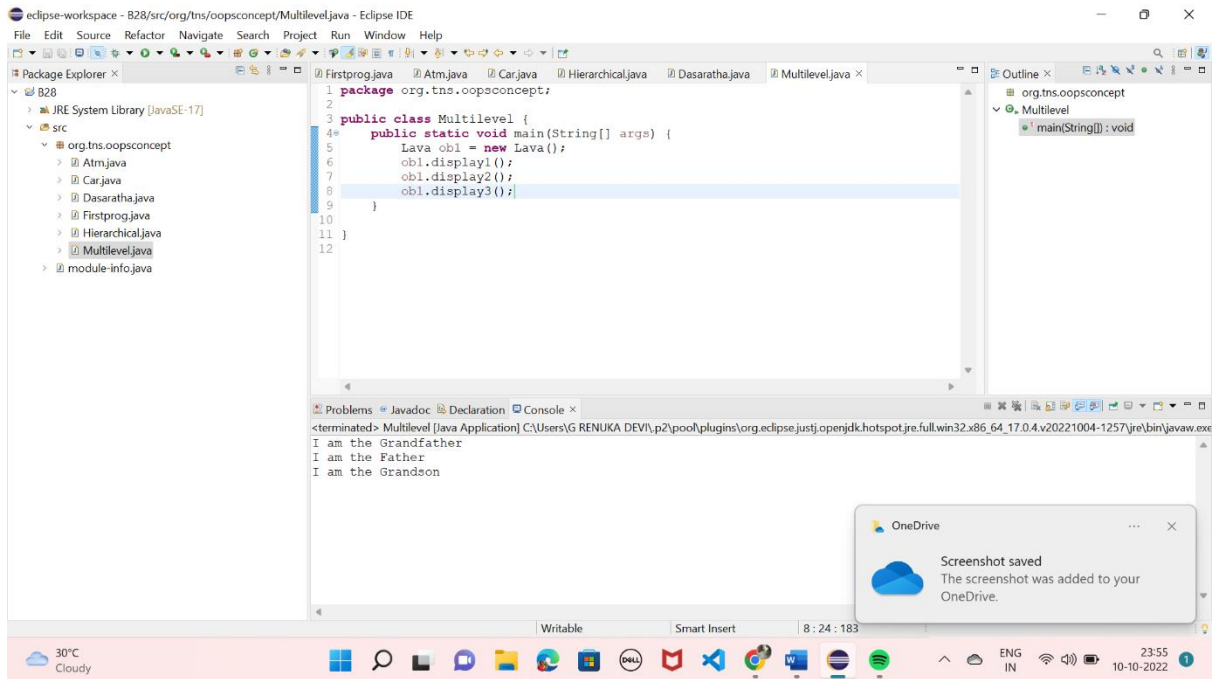Vitara
Alto
Claz

Writable   Smart Insert   11 : 22 : 265