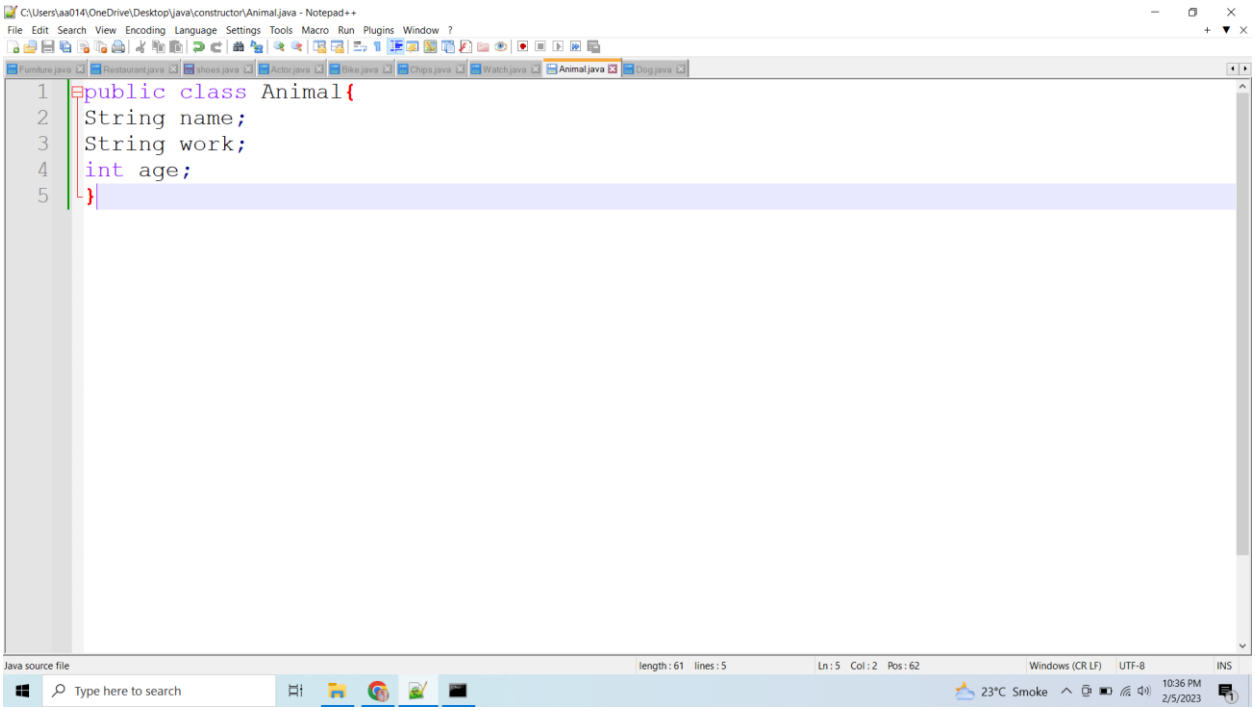
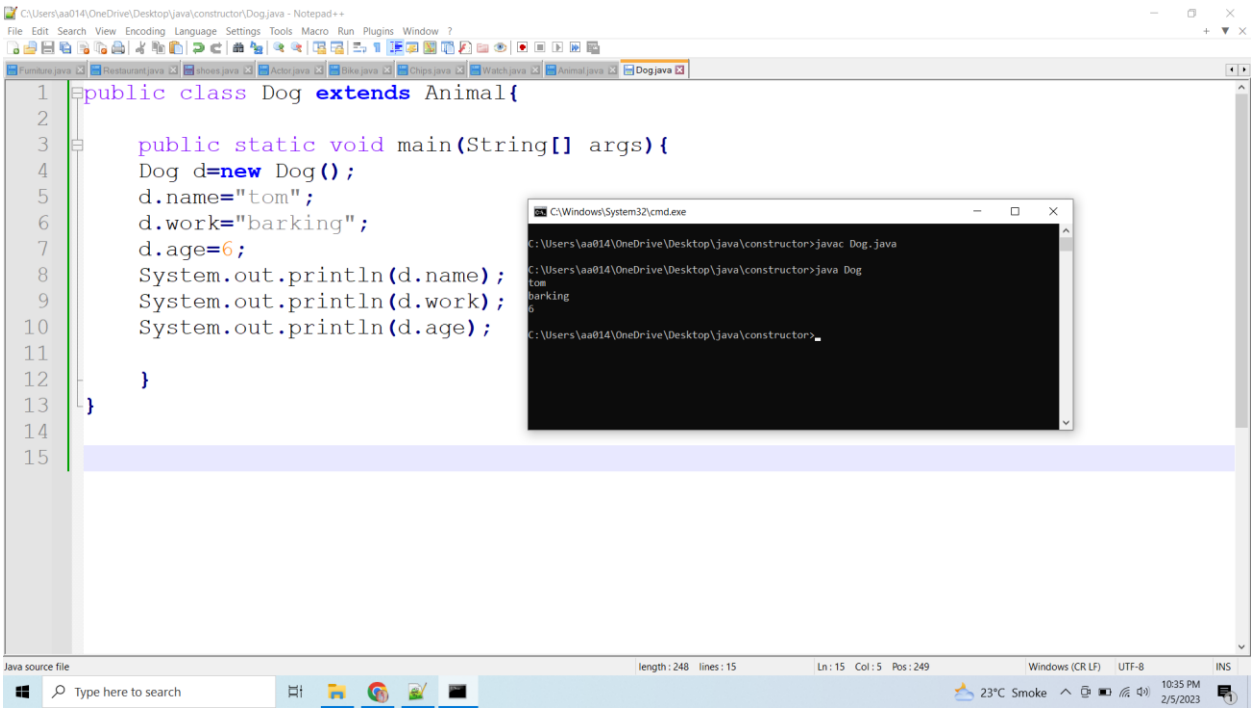
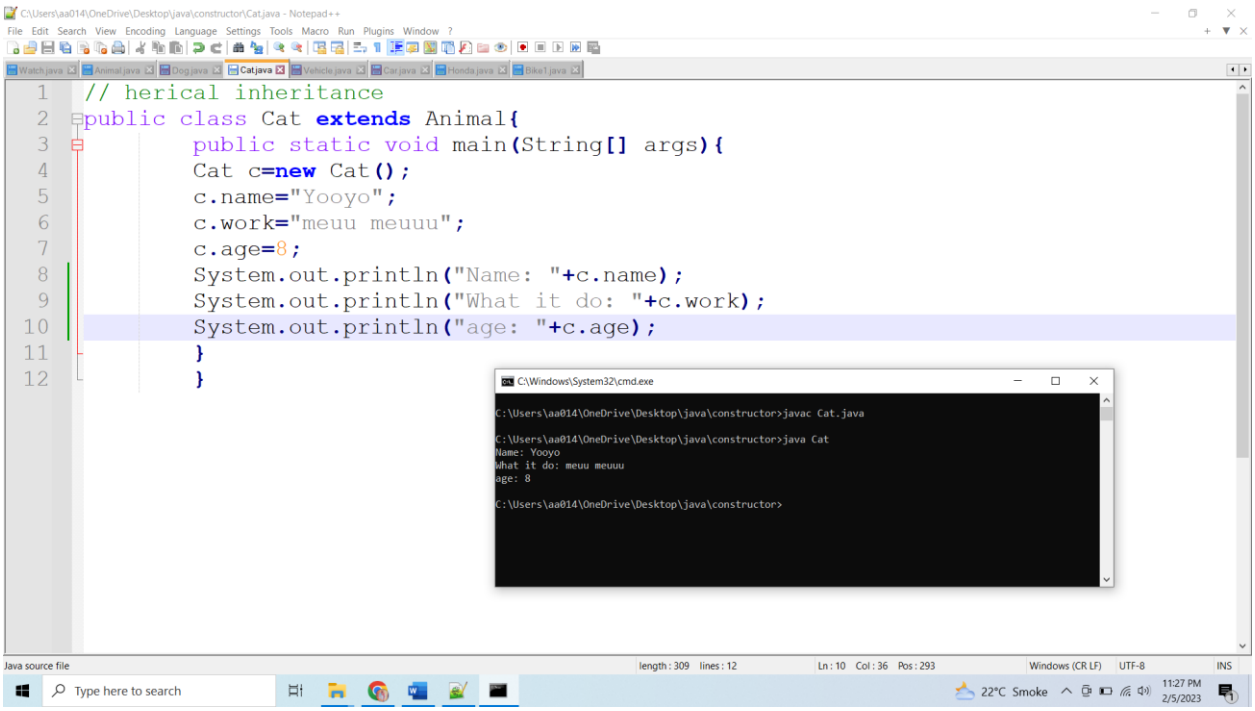
Parent Class Animal



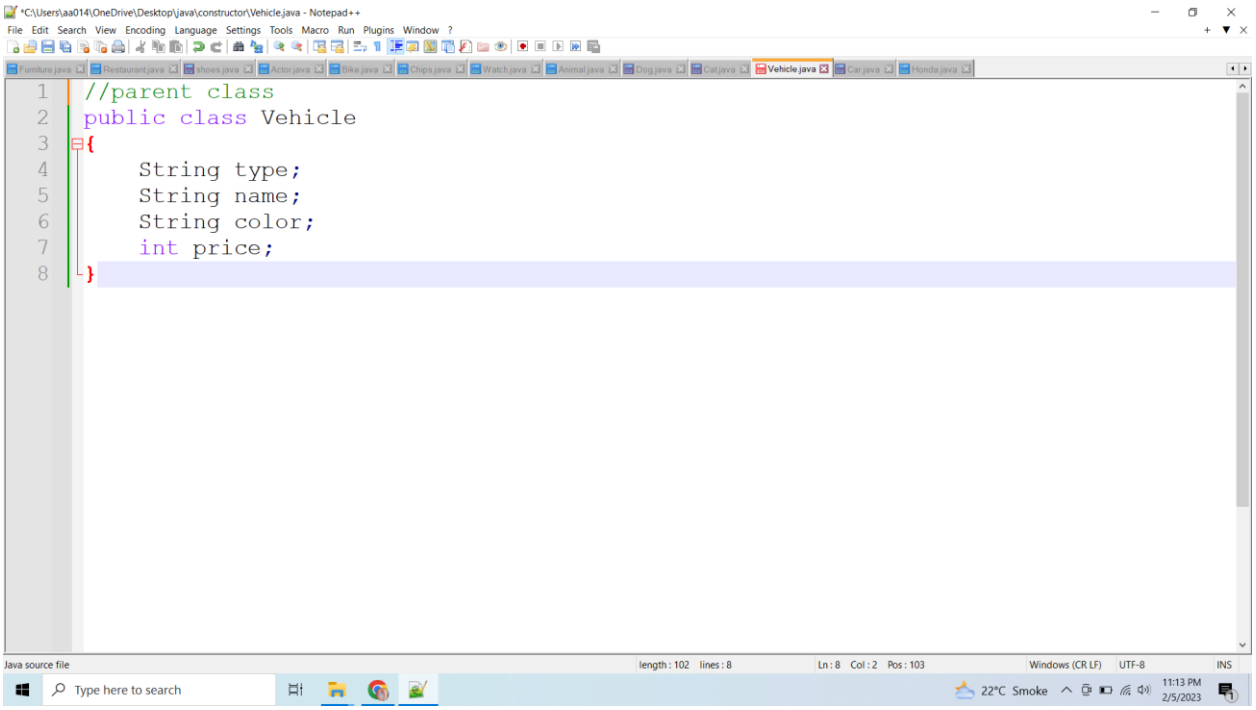
Dog Class Extends Animal Class(Single Level Inheritance)



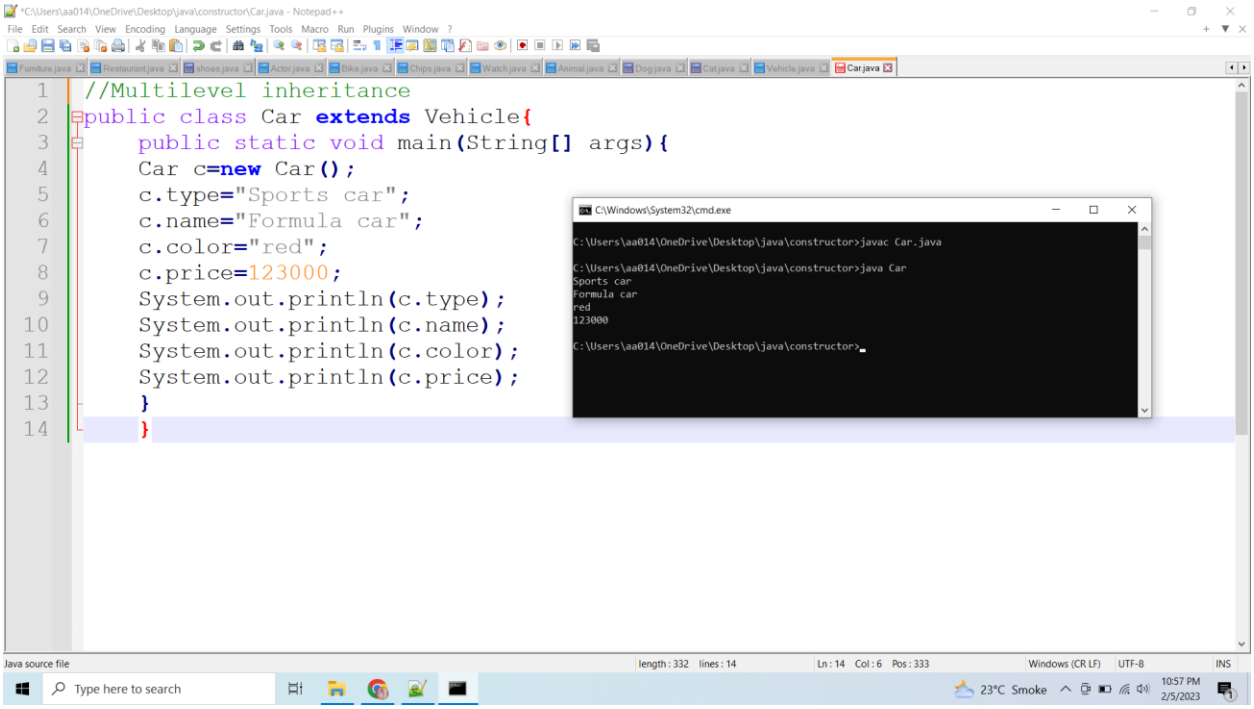
Cat Also Extends same Class Animal so now it becomes(Herical Inheritance)



Parent Class Vehicle



Car extends vehicle class (car extends vehicle)



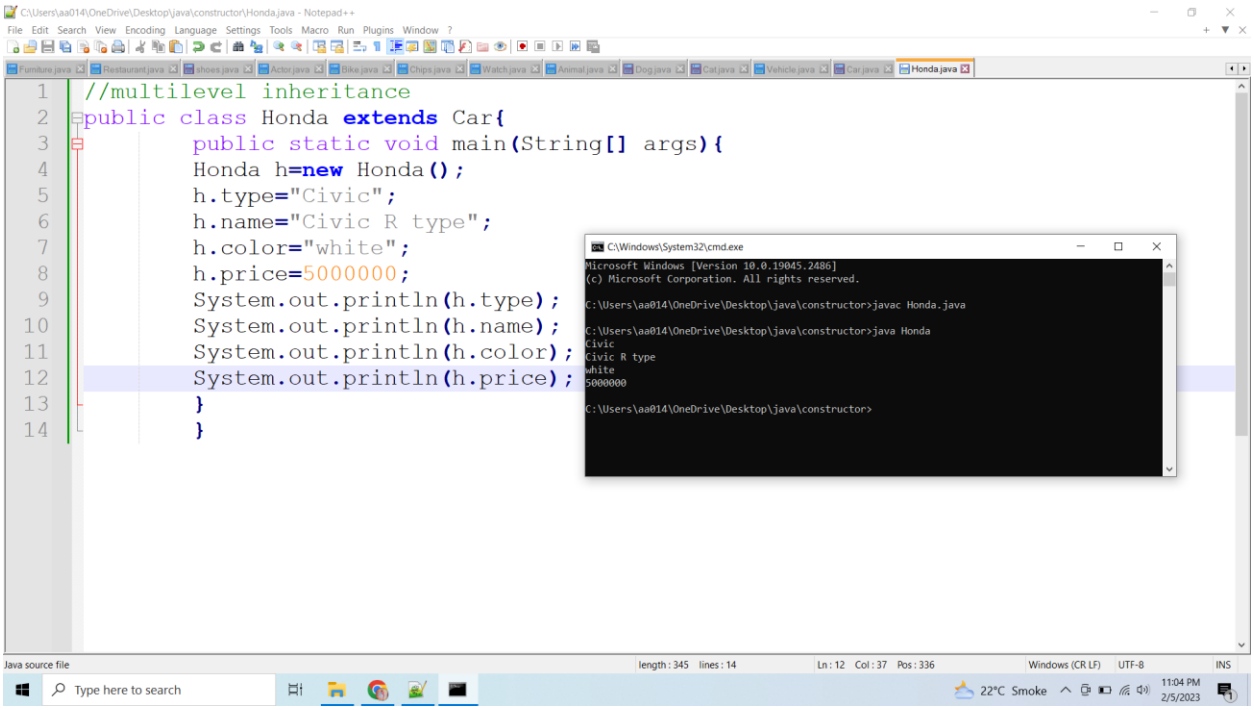
```java
//Multilevel inheritance
public class Car extends Vehicle{
    public static void main(String[] args){
    Car c=new Car();
    c.type="Sports car";
    c.name="Formula car";
    c.color="red";
    c.price=123000;
    System.out.println(c.type);
    System.out.println(c.name);
    System.out.println(c.color);
    System.out.println(c.price);
    }
    }
```

```
C:\Users\aa014\OneDrive\Desktop\java\constructor>javac Car.java

C:\Users\aa014\OneDrive\Desktop\java\constructor>java Car
Sports car
Formula car
red
123000

C:\Users\aa014\OneDrive\Desktop\java\constructor>
```

For car class parent class is vehicle but for honda class parent class is Car

Car extends vehicle

Honda extends car (Multi level inheritance)



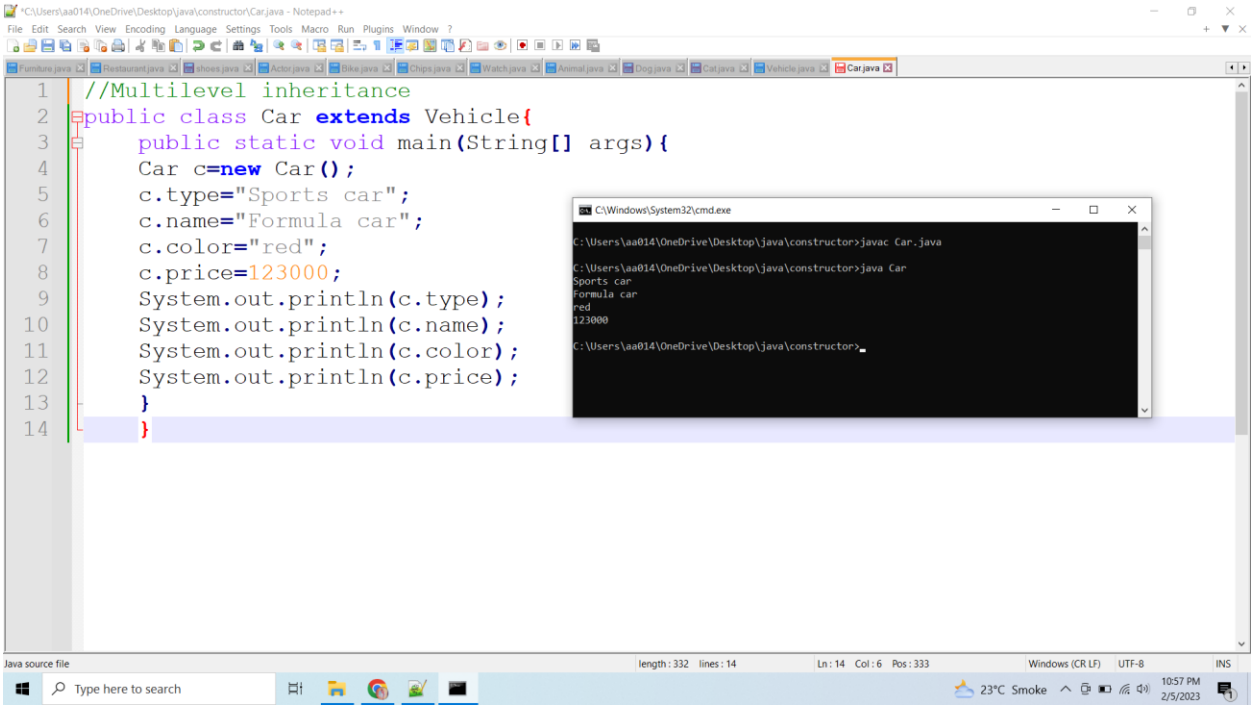
```java
//multilevel inheritance
public class Honda extends Car{
        public static void main(String[] args){
        Honda h=new Honda();
        h.type="Civic";
        h.name="Civic R type";
        h.color="white";
        h.price=5000000;
        System.out.println(h.type);
        System.out.println(h.name);
        System.out.println(h.color);
        System.out.println(h.price);
        }
        }
```

```
Microsoft Windows [Version 10.0.19045.2486]
(c) Microsoft Corporation. All rights reserved.

C:\Users\aa014\OneDrive\Desktop\java\constructor>javac Honda.java

C:\Users\aa014\OneDrive\Desktop\java\constructor>java Honda
Civic
Civic R type
white
5000000

C:\Users\aa014\OneDrive\Desktop\java\constructor>
```

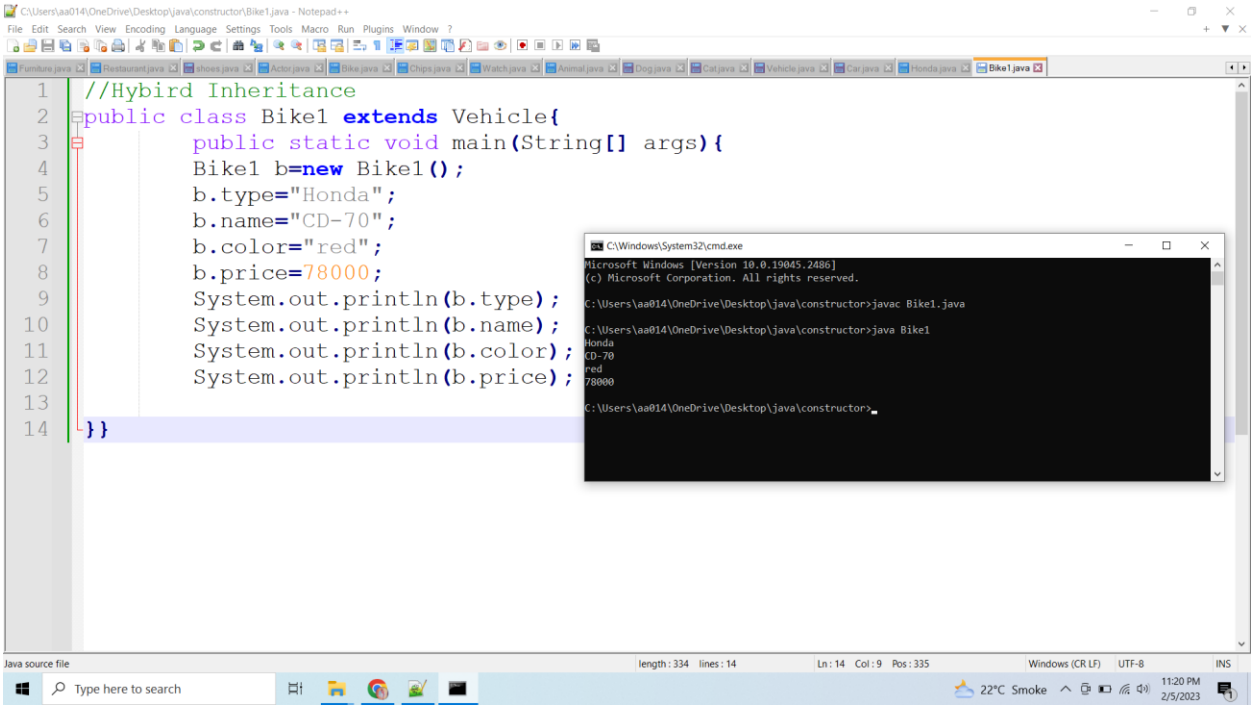
Car extends vehicle

Bike also extends vehicle

Honda extends Car (this is called Hybird inheritance)



Bike also extends vehicle



Honda extends car