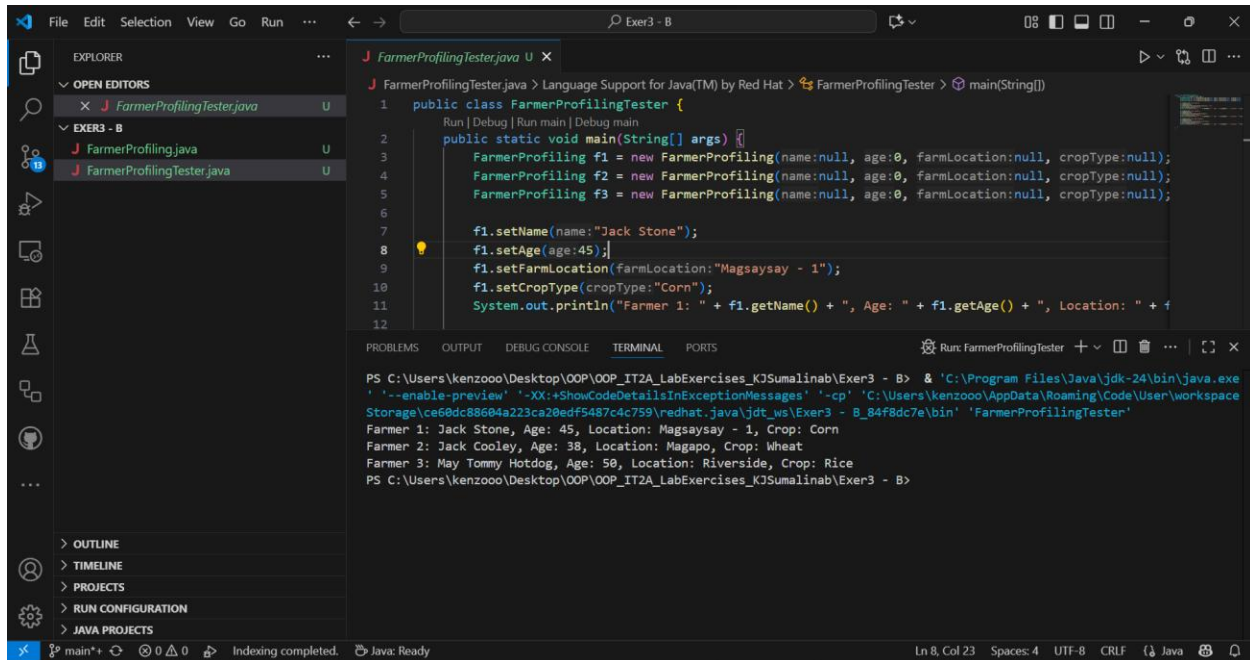


Exer4 – Polymorphism

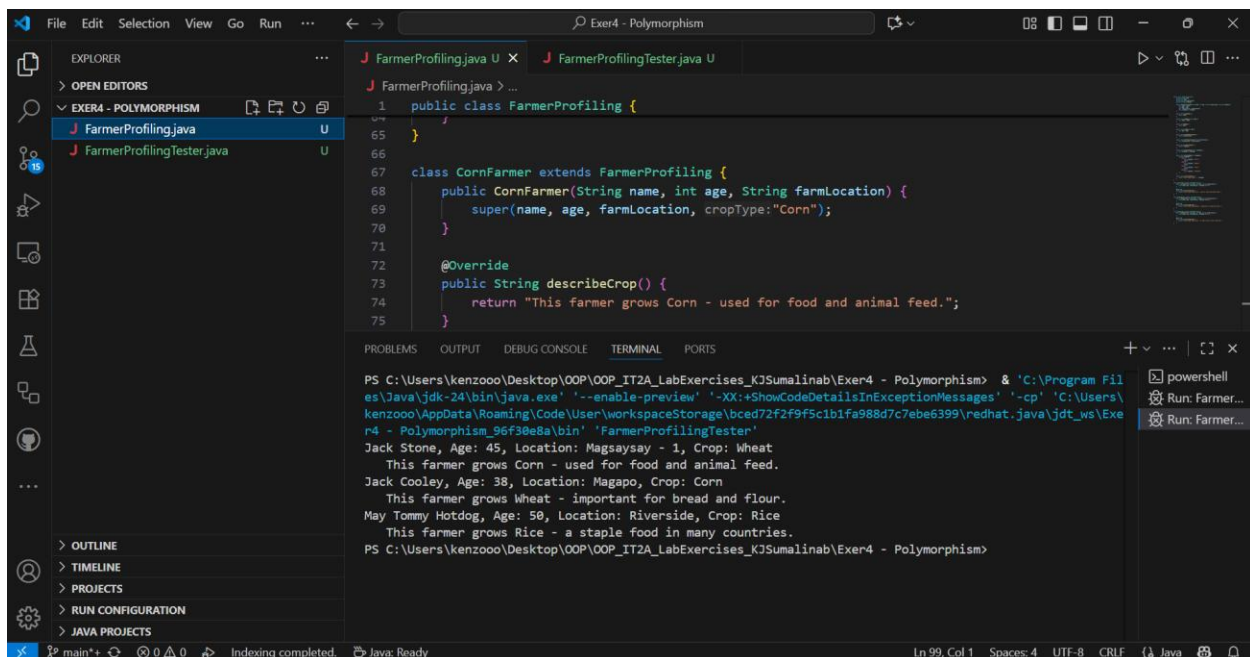


```
1 public class FarmerProfilingTester {
2     Run | Debug | Run main | Debug main
3     public static void main(String[] args) {
4         FarmerProfiling f1 = new FarmerProfiling(name:null, age:0, farmLocation:null, cropType:null);
5         FarmerProfiling f2 = new FarmerProfiling(name:null, age:0, farmLocation:null, cropType:null);
6         FarmerProfiling f3 = new FarmerProfiling(name:null, age:0, farmLocation:null, cropType:null);
7
8         f1.setName(name:"Jack Stone");
9         f1.setAge(age:45);
10        f1.setFarmLocation(farmLocation:"Magsaysay - 1");
11        f1.setCropType(cropType:"Corn");
12        System.out.println("Farmer 1: " + f1.getName() + ", Age: " + f1.getAge() + ", Location: " + f1.getFarmLocation() + ", Crop: " + f1.getCropType());
13    }
14 }
```

PS C:\Users\kenzoo\Desktop\OOP\OOP_IT2A_LabExercises_KJSumalinab\Exer3 - B> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '-enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\kenzoo\AppData\Roaming\Code\User\workspaceStorage\ce60dc88604a223ca20edf5487c4c759\redhat.java\jdt_ws\Exer3 - B_84f8dc7e\bin' 'FarmerProfilingTester'

Farmer 1: Jack Stone, Age: 45, Location: Magsaysay - 1, Crop: Corn
Farmer 2: Jack Cooley, Age: 38, Location: Magapo, Crop: Wheat
Farmer 3: May Tommy Hotdog, Age: 50, Location: Riverside, Crop: Rice
PS C:\Users\kenzoo\Desktop\OOP\OOP_IT2A_LabExercises_KJSumalinab\Exer3 - B>

Figure 1.0: FarmingProfiling.java Exer3 (Inheritance) Output



```
1 public class FarmerProfiling {
2     ...
3 }
4
5 class CornFarmer extends FarmerProfiling {
6     public CornFarmer(String name, int age, String farmLocation) {
7         super(name, age, farmLocation, cropType:"Corn");
8     }
9 }
10
11 @Override
12 public String describeCrop() {
13     return "This farmer grows Corn - used for food and animal feed.";
14 }
15 }
```

PS C:\Users\kenzoo\Desktop\OOP\OOP_IT2A_LabExercises_KJSumalinab\Exer4 - Polymorphism> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '-enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\kenzoo\AppData\Roaming\Code\User\workspaceStorage\bced72f2f9f5c1b1fa988d7c7ebe6399\redhat.java\jdt_ws\Exer4 - Polymorphism_96f30e8a\bin' 'FarmerProfilingTester'

Jack Stone, Age: 45, Location: Magsaysay - 1, Crop: Wheat
This farmer grows Corn - used for food and animal feed.
Jack Cooley, Age: 38, Location: Magapo, Crop: Corn
This farmer grows Wheat - important for bread and flour.
May Tommy Hotdog, Age: 50, Location: Riverside, Crop: Rice
This farmer grows Rice - a staple food in many countries.
PS C:\Users\kenzoo\Desktop\OOP\OOP_IT2A_LabExercises_KJSumalinab\Exer4 - Polymorphism>

Figure 1.1: FarmingProfiling.java Exer4 (Polymorphism) Output