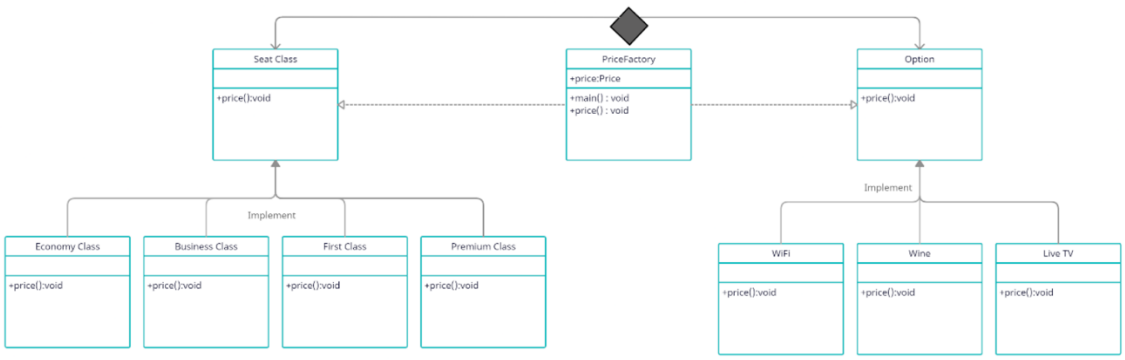
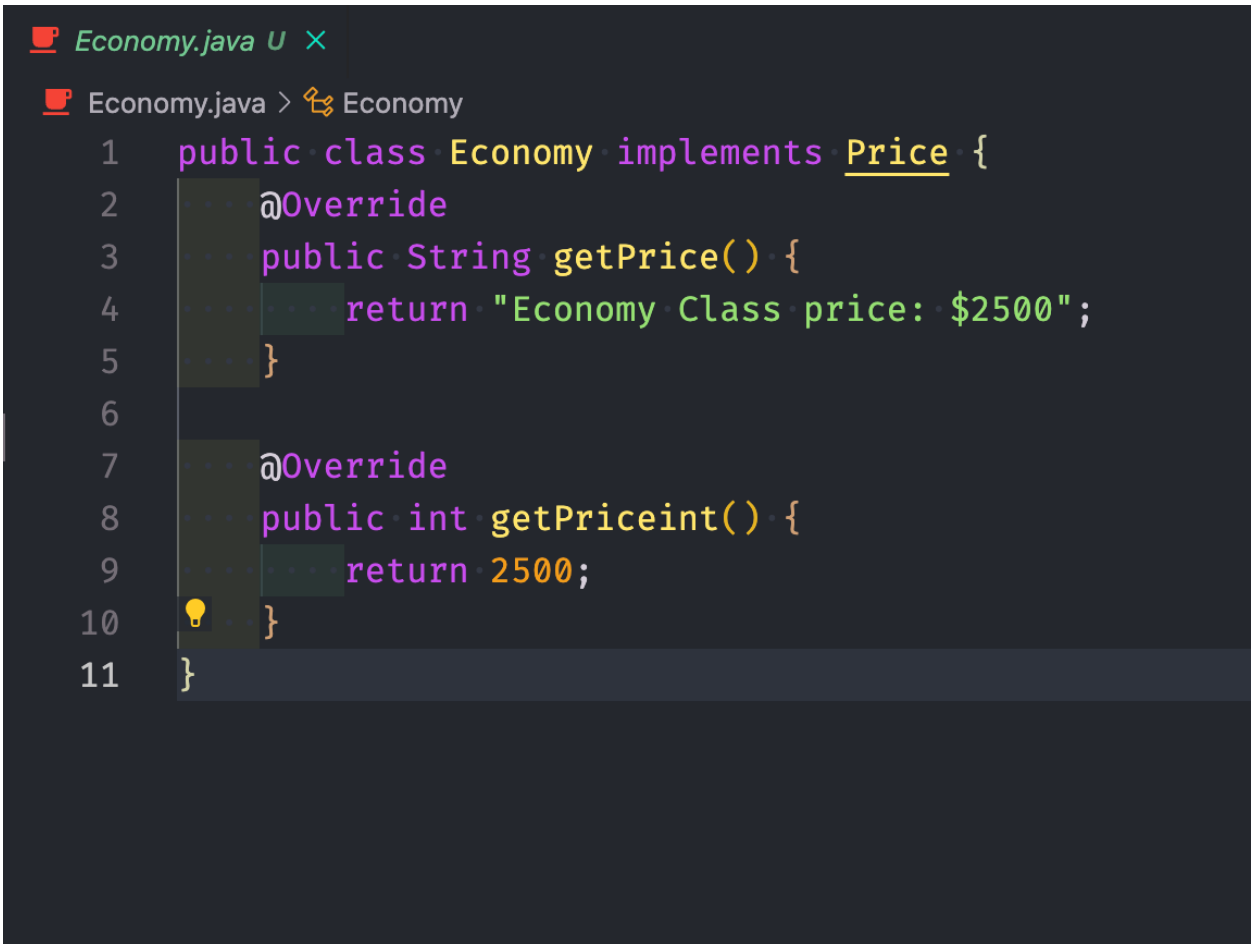


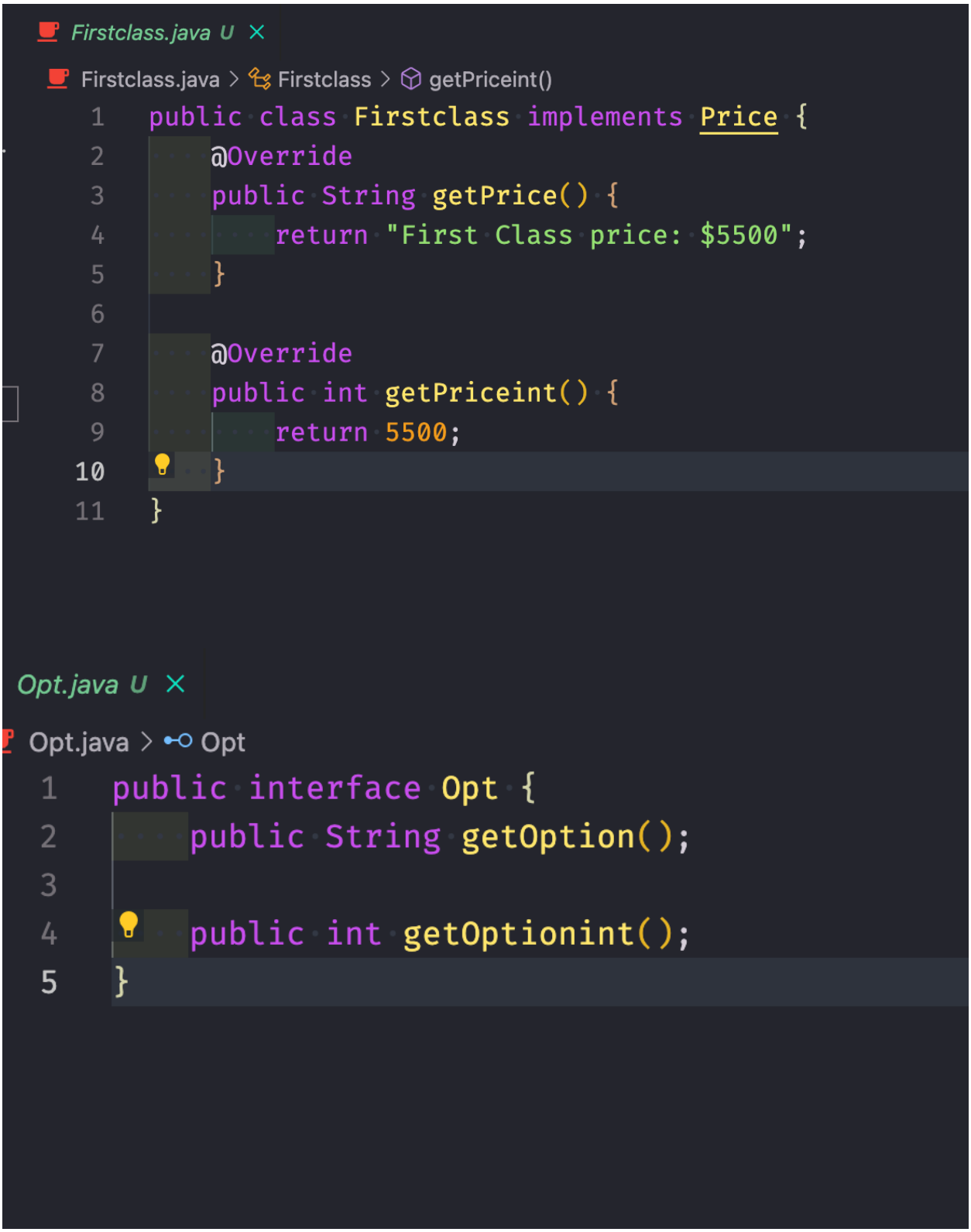
Business.java U

Business.java > Business

```java
public class Business implements Price {
    @Override
    public String getPrice() {
        return "Business Class price: $4500";
    }

    @Override
    public int getPriceint() {
        return 4500;
    }
}
```


Economy.java U
Economy.java > Economy
1 public class Economy implements Price {
2 @Override
3 public String getPrice() {
4 return "Economy Class price: $2500";
5 }
6
7 @Override
8 public int getPriceint() {
9 return 2500;
10 }
11 }


Firstclass.java U
Firstclass.java > Firstclass > getPriceint()
public class Firstclass implements Price {
@Override
public String getPrice() {
return "First Class price: $5500";
}
@Override
public int getPriceint() {
return 5500;
}
}
Opt.java U
Opt.java > Opt
public interface Opt {
public String getOption();
public int getOptionint();
}

Premium.java U

Premium.java > Premium

```java
public class Premium implements Price {
    @Override
    public String getPrice() {
        return "Premium Class price: $3500";
    }

    @Override
    public int getPriceint() {
        return 3500;
    }
}
```

Price.java U

Price.java > Price

```java
public interface Price {
    public String getPrice();

    public int getPriceint();
}
```


WiFi.java U
WiFi.java > WiFi
public class WiFi implements Opt {
@Override
public String getOption() {
return "WiFi price: $10";
}
@Override
public int getOptionint() {
return 10;
}
}


Wine.java U
Wine.java > Wine
public class Wine implements Opt {
@Override
public String getOption() {
return "Wine price: $30";
}
@Override
public int getOptionint() {
return 30;
}
}


LiveTV.java U
LiveTV.java > LiveTV
1 public class LiveTV implements Opt {
2 @Override
3 public String getOption() {
4 return "Live TV price: $50";
5 }
6
7 @Override
8 public int getOptionint() {
9 return 50;
10 }
11 }

PriceFactory.java U

PriceFactory.java > PriceFactory

```java
public class PriceFactory {
    public static Price getPriceByClass(String className) throws Exception {
        if (className.equalsIgnoreCase(anotherString: "Economy")) {
            return new Economy();
        } else if (className.equalsIgnoreCase(anotherString: "Business")) {
            return new Business();
        } else if (className.equalsIgnoreCase(anotherString: "First")) {
            return new Firstclass();
        } else if (className.equalsIgnoreCase(anotherString: "Premium")) {
            return new Premium();
        } else {
            throw new Exception(message: "Invalid Class");
        }
    }

public static Opt getOptionByOption(String option) throws Exception { if(option.equalsIgnoreCase(anotherString: "WiFi")){
return new WiFi();
} else if(option.equalsIgnoreCase(anotherString: "LiveTV")){ return new LiveTV();
} else if(option.equalsIgnoreCase(anotherString: "Wine")){ return new Wine();
} else {
throw new Exception(message: "Invalid Option");
} }

    Run | Debug
public static void main(String a[]) {
try {
    Price p = PriceFactory.getPriceByClass(className: "Economy");
    System.out.println(p.getPrice());
    Opt o = PriceFactory.getOptionByOption(option: "WiFi");
    System.out.println(o.getOption());
    int i = 0;
    i = p.getPriceint();
    i += o.getOptionint();
    System.out.println("Total Price: $" + i);
} catch (Exception e) {
    e.printStackTrace();
}
}
```

```
Economy Class price: $2500
WiFi price: $10
Total Price: $2510
```