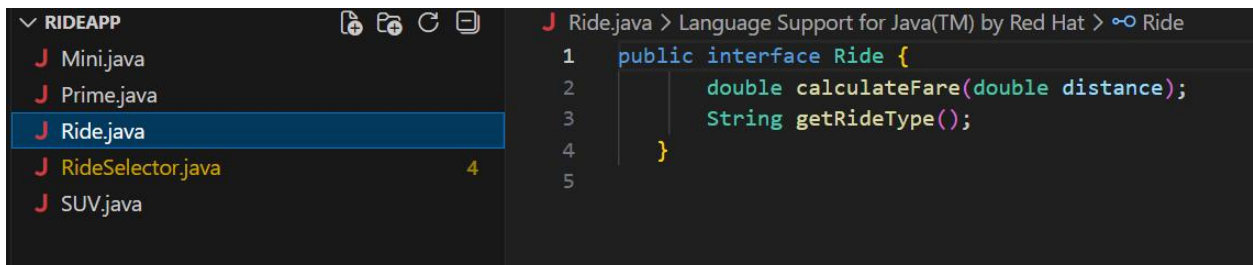


Week 6

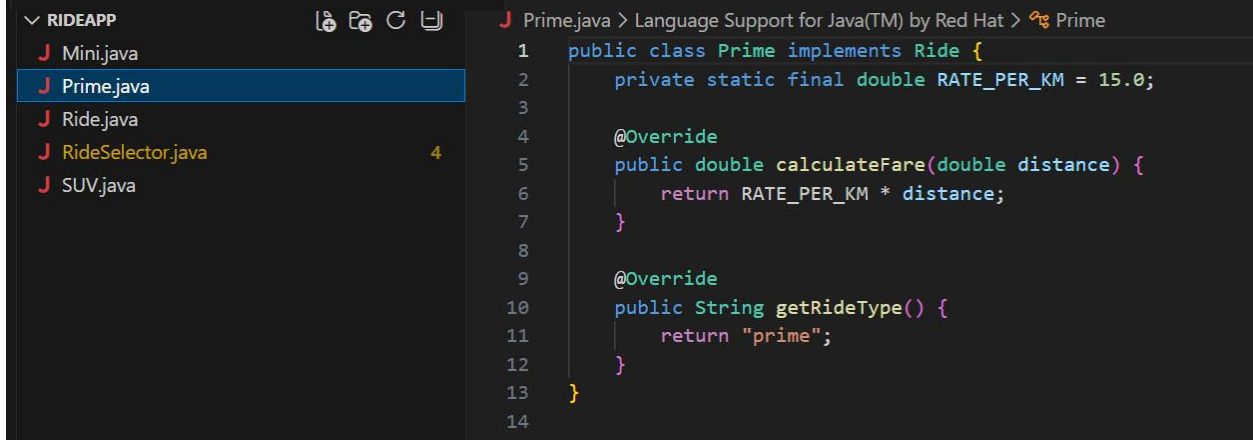


Project Explorer: RIDEAPP

- Mini.java
- Prime.java
- Ride.java**
- RideSelector.java 4
- SUV.java

Editor: Ride.java > Language Support for Java(TM) by Red Hat > Ride

```
1 public interface Ride {
2     double calculateFare(double distance);
3     String getRideType();
4 }
5
```

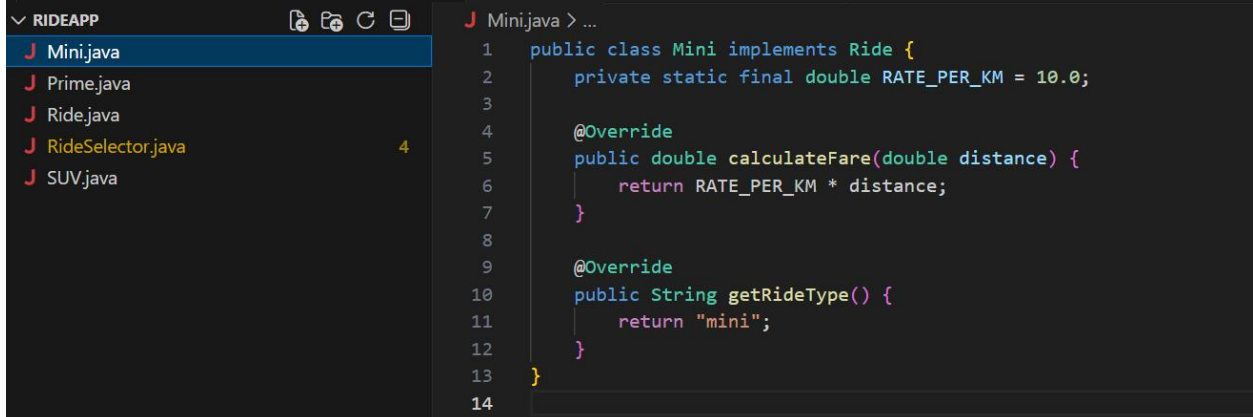


Project Explorer: RIDEAPP

- Mini.java
- Prime.java**
- Ride.java
- RideSelector.java 4
- SUV.java

Editor: Prime.java > Language Support for Java(TM) by Red Hat > Prime

```
1 public class Prime implements Ride {
2     private static final double RATE_PER_KM = 15.0;
3
4     @Override
5     public double calculateFare(double distance) {
6         return RATE_PER_KM * distance;
7     }
8
9     @Override
10    public String getRideType() {
11        return "prime";
12    }
13 }
14
```

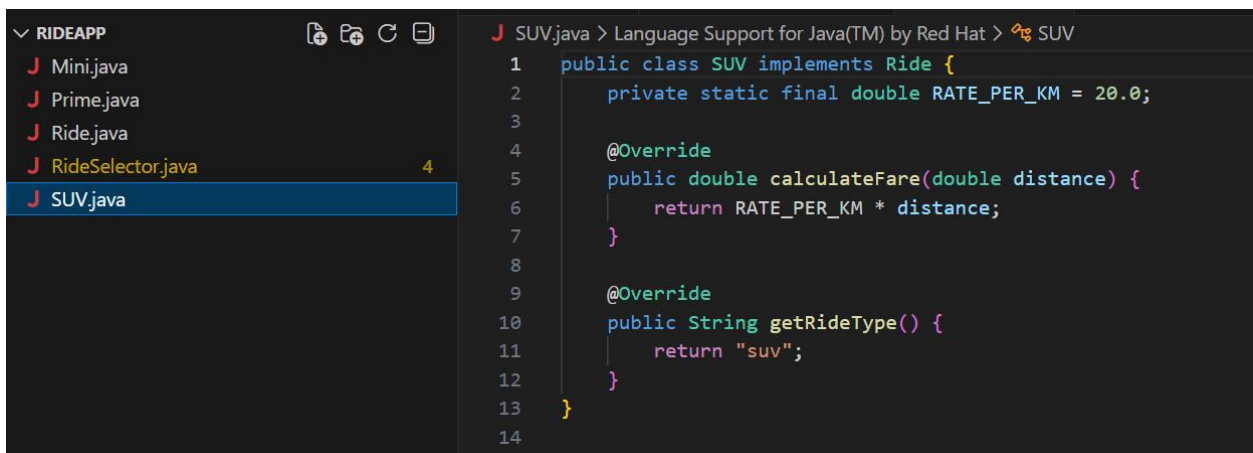


Project Explorer: RIDEAPP

- Mini.java**
- Prime.java
- Ride.java
- RideSelector.java 4
- SUV.java

Editor: Mini.java > ...

```
1 public class Mini implements Ride {
2     private static final double RATE_PER_KM = 10.0;
3
4     @Override
5     public double calculateFare(double distance) {
6         return RATE_PER_KM * distance;
7     }
8
9     @Override
10    public String getRideType() {
11        return "mini";
12    }
13 }
14
```



Project Explorer: RIDEAPP

- Mini.java
- Prime.java
- Ride.java
- RideSelector.java 4
- SUV.java**

Editor: SUV.java > Language Support for Java(TM) by Red Hat > SUV

```
1 public class SUV implements Ride {
2     private static final double RATE_PER_KM = 20.0;
3
4     @Override
5     public double calculateFare(double distance) {
6         return RATE_PER_KM * distance;
7     }
8
9     @Override
10    public String getRideType() {
11        return "suv";
12    }
13 }
14
```

RIDEAPP
 J Mini.java
 J Prime.java
 J Ride.java
 J RideSelector.java 4
 J SUV.java

> OUTLINE
 > TIMELINE
 > PROJECTS
 > RUN CONFIGURATION

> JAVA PROJECTS

RIDEAPP
 J Mini.java
 J Prime.java
 J Ride.java
 J RideSelector.java 4
 J SUV.java

J RideSelector.java > Java > RideSelector > main(String[] args)

```

1  import java.util.Scanner;
2
3  public class RideSelector {
4      Run main | Debug main | Run | Debug
5      public static void main(String[] args) {
6          Scanner sc = new Scanner(System.in);
7
8          System.out.println(x: "Enter ride type (mini/prime/suv):");
9          String type = sc.nextLine().trim().toLowerCase(); // convert input to lowercase
10
11         System.out.println(x: "Enter distance (km):");
12         double distance = sc.nextDouble();
13
14         Ride ride = null;
15
16         // match lowercase input
17         switch (type) {
18             case "mini":
19                 ride = new Mini();
20                 break;
21             case "prime":
22                 ride = new Prime();
23                 break;
24             case "suv":
25                 ride = new SUV();
26                 break;
27             default:
28                 System.out.println(x: "Invalid ride type!");
29                 System.exit(status: 0);
30         }
31     }
32 }
  
```

J RideSelector.java > Java > RideSelector > main(String[] args)

```

3  public class RideSelector {
4      public static void main(String[] args) {
5          case "suv":
6              ride = new SUV();
7              break;
8          default:
9              System.out.println(x: "Invalid ride type!");
10             System.exit(status: 0);
11         }
12
13         double fare = ride.calculateFare(distance);
14         System.out.println("Ride Type: " + ride.getRideType());
15         System.out.println("Total Fare: ₹" + fare);
16
17         sc.close();
18     }
19 }
  
```

```

PS C:\Users\VLT-BNT\OneDrive\Documents\Desktop\OOP JAVA\RideApp> cd;
cd ..\Desktop\OOP JAVA\RideApp'; & 'C:\Program Files\Eclipse Adoptium\j
XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\VLT-BNT\AppData
\c0cbe5ab50d5f01386298f4ecc04f8c2\redhat.java\jdt_ws\RideApp_ce3adf2c
Enter ride type (mini/prime/suv):
prime
Enter distance (km):
3
Ride Type: prime
Total Fare: ₹45.0
PS C:\Users\VLT-BNT\OneDrive\Documents\Desktop\OOP JAVA\RideApp>
  
```