

RIDE FARE

Code:

```
2  package com.mycompany.ridefare;
3
4  import java.util.*;
5  public class RideFare {
6
7      public static void main(String[] args) {
8          Scanner sc = new Scanner(System.in);
9          System.out.print("Enter ride type (Bike/Car/Auto): ");
10         String rideType = sc.nextLine();
11         System.out.print("Enter distance in kilometers: ");
12         int distance = sc.nextInt();
13         System.out.print("Enter hour of the day (0 to 23): ");
14         int hour = sc.nextInt();
15         calculateFare(rideType, distance, hour);
16     }
17     static void calculateFare(String rideType, int distance, int hour) {
18         int baseFare = 0;
19         switch (rideType.toLowerCase()) {
20             case "bike":
21                 baseFare = 10;
22                 break;
23             case "car":
24                 baseFare = 18;
25                 break;
26             case "auto":
27                 baseFare = 12;
28                 break;
29             default:
30
31                 System.out.println("Invalid ride type.");
32                 return;
33         }
34         int fare = distance * baseFare;
35         int nightCharge = 0;
36         if (hour >= 21 || hour < 5) {
37             nightCharge = 50;
38         }
39         int totalFare = fare + nightCharge;
40         System.out.println("\n--- Fare Details ---");
41         System.out.println("Ride Type: " + rideType);
42         System.out.println("Distance: " + distance + " km");
43         System.out.println("Base Fare: Rs. " + fare);
44         if (nightCharge > 0) {
45             System.out.println("Night Charge: Rs. " + nightCharge);
46         }
47         System.out.println("Total Estimated Fare: Rs. " + totalFare);
48     }
```

Output:

```
Enter ride type (Bike/Car/Auto): car
Enter distance in kilometers: 45
Enter hour of the day (0 to 23): 12
```

```
--- Fare Details ---
```

```
Ride Type: car
```

```
Distance: 45 km
```

```
Base Fare: Rs. 810
```

```
Total Estimated Fare: Rs. 810
```