Question 4:

```
  class Ride {
  double distance; // in km
  double ratePerKm;
  bool peakHour;

  Ride({required this.distance, required this.ratePerKm, required this.peakHour});

  double calculateFare() {
    double fare = distance * ratePerKm;
    if (peakHour) {
      fare += fare * 0.20; // 20% surcharge
    }
    return fare;
  }
}

void main() {
  // Creating a list of 3 rides
  List<Ride> rides = [
    Ride(distance: 10.0, ratePerKm: 15.0, peakHour: false),
    Ride(distance: 8.5, ratePerKm: 15.0, peakHour: true),
    Ride(distance: 12.3, ratePerKm: 15.0, peakHour: false),
  ];

  double totalEarnings = 0;

  // Printing each ride's fare
  for (int i = 0; i < rides.length; i++) {
    double fare = rides[i].calculateFare();
    print("Ride ${i + 1} Fare: ₹${fare.toStringAsFixed(2)}");
    totalEarnings += fare;
  }

  // Printing total earnings
  print("Total Earnings: ₹${totalEarnings.toStringAsFixed(2)}");
}
```

```
Ride 1 Fare: ₹150.00
Ride 2 Fare: ₹153.00
Ride 3 Fare: ₹184.50
Total Earnings: ₹487.50
```

Question 1:

```dart
import 'dart:io';


void main() {
 // Ask for inputs
 stdout.write("Enter total bill amount: ");
 double bill = double.parse(stdin.readLineSync()!);


 stdout.write("Enter number of people: ");
 int people = int.parse(stdin.readLineSync()!);


 stdout.write("Enter tip percentage: ");
 double tipPercent = double.parse(stdin.readLineSync()!);
```
Enter total bill amount: 2000
Enter number of people: 25
Enter tip percentage: 5

Tip amount: $100.00
Total amount (with tip): $2100.00
Amount per person: $84.00


```dart
 // Calculations
 double tip = bill * tipPercent / 100;
 double total = bill + tip;
 double perPerson = total / people;


 // Output results
 print("\nTip amount: \$${tip.toStringAsFixed(2)}");
 print("Total amount (with tip): \$${total.toStringAsFixed(2)}");
 print("Amount per person: \$${perPerson.toStringAsFixed(2)}");
}
```

Output:
Enter total bill amount: 2000
Enter number of people: 25
Enter tip percentage: 5

Tip amount: $100.00
Total amount (with tip): $2100.00
Amount per person: $84.00