```
package com.example.financial;
public class RevenueData {
  private String month;
  private double revenue;
  public RevenueData(String month, double revenue) {
     this.month = month;
     this.revenue = revenue;
  }
  public String getMonth() {
     return month;
  }
  public double getRevenue() {
     return revenue;
  }
  @Override
  public String toString() {
     return month + ": $" + revenue;
  }
}
package com.example.financial;
import java.util.List;
public class ForecastService {
```

```
public double calculateAverage(List<RevenueData> revenues) {
     double sum = 0.0;
     for (RevenueData r : revenues) {
        sum += r.getRevenue();
     }
     return revenues.isEmpty() ? 0.0 : sum / revenues.size();
  }
  public double forecastNextMonth(List<RevenueData> revenues) {
     int size = revenues.size();
     if (size < 2) {
        return calculateAverage(revenues);
     }
     double last = revenues.get(size - 1).getRevenue();
     double secondLast = revenues.get(size - 2).getRevenue();
     double trend = last - secondLast;
     return last + trend;
  }
package com.example.financial;
import java.util.ArrayList;
import java.util.List;
```

}

```
public class ForecastTest {
  public static void main(String[] args) {
     List<RevenueData> revenueList = new ArrayList<RevenueData>();
     revenueList.add(new RevenueData("January", 10000));
     revenueList.add(new RevenueData("February", 12000));
     revenueList.add(new RevenueData("March", 13500));
     revenueList.add(new RevenueData("April", 14000));
     revenueList.add(new RevenueData("May", 15000));
     ForecastService forecastService = new ForecastService();
     System. out.println("Monthly Revenue Data:");
     for (RevenueData r : revenueList) {
        System. out.println(r);
     }
     double avg = forecastService.calculateAverage(revenueList);
     System. out.println("\nAverage Revenue: $" + avg);
     double forecast = forecastService.forecastNextMonth(revenueList);
     System. out. println ("Forecast for next month: $" + forecast);
  }
OUTPUT:
```

