**Exercise 7: Financial Forecasting**

**Problem Statement:**

You are developing a financial forecasting tool that predicts future values based on past data.

**Code:**

**RECURSIVE method:**

public class FinancialForecasting {  
  
 public static double forecast(double currentValue, double growthRate, int years) {  
 if (years == 0) {  
 return currentValue;  
 }  
 return forecast(currentValue \* (1 + growthRate), growthRate, years - 1);  
 }  
  
 public static void main(String[] args) {  
 double futureValue = forecast(1000, 0.05, 5);  
 System.out.println("Predicted future value: $" + futureValue);  
 }  
}

**Output of the code:**

**A screen shot of a computer

AI-generated content may be incorrect.**