import java.util.Scanner;

public class CurrencyConverter {

// Simulate fetching an exchange rate (for demonstration purposes)

public static double getExchangeRate(String baseCurrency, String targetCurrency) {

// Use hardcoded values for demonstration

if (baseCurrency.equals("USD") && targetCurrency.equals("EUR")) {

return 0.85; // Assume 1 USD = 0.85 EUR

} else if (baseCurrency.equals("EUR") && targetCurrency.equals("USD")) {

return 1.18; // Assume 1 EUR = 1.18 USD

} else {

System.out.println("Exchange rate not available for the selected currencies.");

return -1; // Indicates an error

}

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// User inputs for currency and amount

System.out.println("Enter base currency (e.g., USD): ");

String baseCurrency = scanner.nextLine().toUpperCase();

System.out.println("Enter target currency (e.g., EUR): ");

String targetCurrency = scanner.nextLine().toUpperCase();

System.out.println("Enter amount to convert: ");

double amount = scanner.nextDouble();

// Fetch exchange rate (using hardcoded values for demonstration)

double exchangeRate = getExchangeRate(baseCurrency, targetCurrency);

if (exchangeRate != -1) {

// Calculate and display the result

double convertedAmount = amount \* exchangeRate;

System.out.printf("%.2f %s = %.2f %s\n", amount, baseCurrency, convertedAmount, targetCurrency);

} else {

System.out.println("Conversion failed. Please try different currencies.");

}

scanner.close();

}

}