import java.util.HashMap;

import java.util.Map;

import java.util.Scanner;

public class CurrencyConverter {

private static Map<String, Double> exchangeRates;

static {

// Hardcoded exchange rates (replace with actual API calls)

exchangeRates = new HashMap<>();

exchangeRates.put("USD", 1.0);

exchangeRates.put("EUR", 0.85);

exchangeRates.put("GBP", 0.75);

// Add more currencies as needed

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Display available currencies

System.out.println("Available Currencies: USD, EUR, GBP");

// Input base and target currencies

System.out.print("Enter base currency code: ");

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

System.out.print("Enter target currency code: ");

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

// Input amount to convert

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

double amount = scanner.nextDouble();

// Perform currency conversion

double convertedAmount = convertCurrency(amount, baseCurrency, targetCurrency);

// Display the result

System.out.println("Converted Amount: " + convertedAmount + " " + targetCurrency);

scanner.close();

}

private static double convertCurrency(double amount, String baseCurrency, String targetCurrency) {

double baseRate = exchangeRates.get(baseCurrency);

double targetRate = exchangeRates.get(targetCurrency);

// Perform currency conversion

return (amount / baseRate) \* targetRate;

}

}