import java.util.Scanner;

public class CurrencyConverter {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

// Predefined exchange rates (base = 1 unit)

double usdToInr = 83.10;

double eurToInr = 88.50;

double gbpToInr = 101.20;

double inrToUsd = 1 / usdToInr;

double inrToEur = 1 / eurToInr;

double inrToGbp = 1 / gbpToInr;

System.out.println("===== Currency Converter =====");

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

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

String base = sc.next().toUpperCase();

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

String target = sc.next().toUpperCase();

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

double amount = sc.nextDouble();

double result = 0;

if (base.equals("USD") && target.equals("INR")) result = amount \* usdToInr;

else if (base.equals("INR") && target.equals("USD")) result = amount \* inrToUsd;

else if (base.equals("EUR") && target.equals("INR")) result = amount \* eurToInr;

else if (base.equals("INR") && target.equals("EUR")) result = amount \* inrToEur;

else if (base.equals("GBP") && target.equals("INR")) result = amount \* gbpToInr;

else if (base.equals("INR") && target.equals("GBP")) result = amount \* inrToGbp;

else if (base.equals(target)) result = amount; // same currency

else {

System.out.println("❌ Conversion for " + base + " → " + target + " not supported.");

return;

}

System.out.println("✅ " + amount + " " + base + " = " + result + " " + target);

}

}