CURRENCY CONVERTER:

Currency Selection: Allow the user to choose the base currency and the target currency.

Currency Rates: Fetch real-time exchange rates from a reliable API.

Amount Input: Take input from the user for the amount they want to convert.

Currency Conversion: Convert the input amount from the base currency to the target currency using the fetched exchange rate.

Display Result: Show the converted amount and the target currency symbol to the user.

Code:

import java. util.Scanner;

class CurrencyConverter{

int base;

int t1; int t2; int t3;

double amount;

void conversions(){

Scanner sc = new Scanner(System.in);

System. out.print("Choose the Base Currency index no. from the above list : ");

int base = sc.nextInt();

switch(base)

{

case 1:System.out.println("Rupee");

System.out.print("Enter the Target Currency index no. from the above list : ");

int t1 =sc.nextInt();

if(t1==2){

System.out.println("Dollar");

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

double amount = sc.nextDouble();

System.out.println("₹"+amount+" = " +"$"+(amount\*0.012));

}

else if(t1==3){

System.out.println("Euro");

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

double amount = sc.nextDouble();

System.out.println("₹"+amount+" = " + (amount\*0.011) + "€");

}

else{

System.out.println("Enter the Currency index from the list");

}

break;

case 2:System.out.println("Dollar");

System.out.print("Enter the Target Currency index no. from the above list : ");

int t2 =sc.nextInt();

if(t2==1){

System.out.println("Rupee");

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

double amount = sc.nextDouble();

System.out.println("$"+amount+" = " +"₹"+ (amount\*83.81));

}

else if(t2==3){

System.out.println("Euro");

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

double amount = sc.nextDouble();

System.out.println("$"+amount+" = " + (amount\*0.89) + "€");

}

else{

System.out.println("Enter the Currency index from the list");

}

break;

case 3:System.out.println("Euro");

System.out.print("Enter the Target Currency index no. from the above list : ");

int t3 =sc.nextInt();

if(t3==1){

System.out.println("Rupee");

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

double amount = sc.nextDouble();

System.out.println(amount+"€ = " + "₹"+(amount\*98.90));

}

else if(t3==2){

System.out.println("Dollar");

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

double amount = sc.nextDouble();

System.out.println(amount+"€ = " +"$"+(amount\*1.12));

}

else{

System.out.println("Enter the Currency index from the list");

}

break;

default:

System.out.println("Invalid choice");

}

}

public static void main (String[] args) {

System.out.print("Currency List : ");

System.out.println("1 Rupee");

System.out.println(" 2 Dollar");

System.out.println(" 3 Euro");

CurrencyConverter cc = new CurrencyConverter();

cc.conversions();

}

}

Output:

