TASK NO:-4 CURRENCY CONVERTER

import java.util.Scanner;

public class Main {

private static Scanner scanner = new Scanner(System.in);

public static void main(String[] args) {

int choice;

do {

displayCurrency();

System.out.print("Enter your choice: ");

choice = scanner.nextInt();

switch (choice) {

case 1:

case 2:

case 3:

case 4:

double amount = getCurrency();

calculateCurrency(choice, amount);

break;

case 5:

System.out.println("\nExiting Currency Converter. Thank you!");

break;

default:

System.out.println("Invalid input please try again");

break;

}

} while (choice != 5);

scanner.close();

}

private static void displayCurrency() {

System.out.println("\nCurrency Converter");

System.out.println("1. US Dollar to Indian Rupees");

System.out.println("2. Indian Rupees to US Dollar");

System.out.println("3. European Euro to Indian Rupees");

System.out.println("4. Japanese Yen to Indian Rupees");

System.out.println("5. Exit");

}

private static double getCurrency() {

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

double amount = scanner.nextDouble();

return amount;

}

private static void calculateCurrency(int choice, double amount) {

switch (choice) {

case 1:

amount = amount \* 83.5; // Convert Dollar to Rupees

break;

case 2:

amount = amount \* 0.012; // Convert Rupees to Dollar

break;

case 3:

amount = amount \* 91.12; // Convert Euro to Rupees

break;

case 4:

amount = amount \* 0.58; // Convert Yen to Rupees

break;

}

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

} }

OUTPUT:-

Currency Converter

1. US Dollar to Indian Rupees

2. Indian Rupees to US Dollar

3. European Euro to Indian Rupees

4. Japanese Yen to Indian Rupees

5. Exit

Enter your choice: 1

Enter amount to convert: 100

Converted Amount : 8350.0