using System;

using System.Collections.Generic;

class MonthlyExpenseTracker

{

static void Main()

{

Console.WriteLine("\*\*\*\*\*\* Welcome to Monthly Expense Tracker \*\*\*\*\*\*");

Console.Write("Enter your name: ");

string name = Console.ReadLine();

double totalExpenses = 0.0;

int expenseCount = 0;

Dictionary<string, double> categoryTotals = new Dictionary<string, double>();

while (true)

{

Console.Write("\nEnter expense category (or type 'done' to stop): ");

string category = Console.ReadLine().Trim();

if (category.Equals("done", StringComparison.OrdinalIgnoreCase))

{

break;

}

Console.Write("Enter amount: ");

double amount = double.Parse(Console.ReadLine());

if (amount == -1)

break;

totalExpenses += amount;

expenseCount++;

if (categoryTotals.ContainsKey(category))

categoryTotals[category] += amount;

else

categoryTotals.Add(category, amount);

}

string highestCategory = "N/A";

double highestSpent = 0.0;

foreach (var entry in categoryTotals)

{

if (entry.Value > highestSpent)

{

highestSpent = entry.Value;

highestCategory = entry.Key;

}

}

double averageExpense = (expenseCount > 0) ? totalExpenses / expenseCount : 0.0;

Console.WriteLine("\n========== MONTHLY EXPENSE SUMMARY ==========");

Console.WriteLine($"Name: {name}");

Console.WriteLine($"Total Entries: {expenseCount}");

Console.WriteLine($"Total Amount Spent: ${totalExpenses:F2}");

Console.WriteLine($"Average Expense: ${averageExpense:F2}");

Console.WriteLine($"Highest Spending Category: {highestCategory}");

Console.WriteLine("============================================");

Console.WriteLine("Thank you for using the Monthly Expense Tracker!");

}

}