using System;

class Program

{

static void Main()

{

Console.WriteLine("\*\*\*\*\*\* Welcome to the Road Trip Budget Estimator \*\*\*\*\*\*");

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

string name = Console.ReadLine();

Console.Write("How many days will your trip be? ");

int days = int.Parse(Console.ReadLine());

Console.Write("How many miles will you drive in total? ");

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

Console.Write("What is your car's MPG? ");

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

Console.Write("What is the average gas price per gallon? ");

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

Console.Write("What is your nightly hotel cost? ");

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

Console.Write("What is your daily food budget? ");

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

double gasNeeded = miles / mpg;

double gasCost = gasNeeded \* gasPrice;

double totalHotelCost = hotelCostPerNight \* (days - 1);

double totalFoodCost = foodBudget \* days;

double totalTripCost = gasCost + totalHotelCost + totalFoodCost;

Console.WriteLine("\n=========== ROAD TRIP BUDGET SUMMARY ===========");

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

Console.WriteLine($"Trip Duration: {days} days");

Console.WriteLine($"Total Miles: {miles} miles");

Console.WriteLine($"Fuel Efficiency: {mpg} MPG");

Console.WriteLine($"Gas Price: ${gasPrice}");

Console.WriteLine($"Hotel Cost/Night: ${hotelCostPerNight}");

Console.WriteLine($"Daily Food Budget: ${foodBudget}");

Console.WriteLine("-----------------------------------------------");

Console.WriteLine($"Gas Needed: {gasNeeded:F2} gallons");

Console.WriteLine($"Estimated Gas Cost: ${gasCost:F2}");

Console.WriteLine($"Estimated Hotel Cost: ${totalHotelCost:F2}");

Console.WriteLine($"Estimated Food Cost: ${totalFoodCost:F2}");

Console.WriteLine("-----------------------------------------------");

Console.WriteLine($"Estimated Trip Total: ${totalTripCost:F2}");

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

Console.WriteLine("Thanks for using the Road Trip Budget Estimator!");

}

}