using System;

class Program

{

static void Main()

{

Console.WriteLine("\*\*\*\*\*\* Welcome to LADWP Utility Bill Calculator \*\*\*\*\*\*");

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

string name = Console.ReadLine();

Console.Write("Enter electricity usage in kWh: ");

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

Console.Write("Enter water usage in HCF: ");

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

// Electricity rate

double elecRate = kWh switch

{

<= 199 => 0.13,

<= 499 => 0.17,

<= 999 => 0.21,

\_ => 0.26

};

// Water rate

double waterRate = hcf switch

{

<= 9 => 2.30,

<= 24 => 3.10,

<= 39 => 4.20,

\_ => 5.15

};

double elecCharge = kWh \* elecRate;

double waterCharge = hcf \* waterRate;

double total = elecCharge + waterCharge;

Console.WriteLine("\n=========== LADWP MONTHLY BILL ===========");

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

Console.WriteLine($"Electricity Usage: {kWh} kWh");

Console.WriteLine($"Rate Applied: ${elecRate} per kWh");

Console.WriteLine($"Electricity Charge: ${elecCharge:F2}");

Console.WriteLine($"Water Usage: {hcf} HCF");

Console.WriteLine($"Rate Applied: ${waterRate} per HCF");

Console.WriteLine($"Water Charge: ${waterCharge:F2}");

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

Console.WriteLine($"Total Amount Due: ${total:F2}");

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

Console.WriteLine("Thank you for using LADWP!");

}

}