﻿ using System;

namespace SydneyCoffee

{

class Program

{

static void Main(string[] args)

{

// Declaring N and allocating a value

int n = 2;

// declaring arrays to store data

String[] name = new string[n];

double[] quantity = new double[n];

String[] reseller = new string[n];

double[] charge = new double[n];

double price;

double min = 9999999;

String minName = "";

double max = -1;

String maxName = "";

// Welcome message

Console.WriteLine("\t\t\t\tWelcome to use Sydney Coffee Program\n");

// Loop to get the inputs

for (int i = 0; i < n; i++)

{

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

name[i] = Console.ReadLine();

quantity[i] = 0;

// The loop will continue whenever the entered value is out of range

do

{

Console.Write("Enter the number of coffee beans bags (bag/1kg): ");

quantity[i] = Convert.ToDouble(Console.ReadLine());

if (quantity[i] < 1 || quantity[i] > 200)

{

Console.WriteLine("Invalid Input!\nCoffee bags between 1 and 200 can be ordered.");

}

} while (quantity[i] < 1 || quantity[i] > 200);

// determining the price

if (quantity[i] <= 5)

{

price = 36 \* quantity[i];

}

else if (quantity[i] <= 15)

{

price = 34.5 \* quantity[i];

}

else

{

price = 32.7 \* quantity[i];

}

Console.Write("Enter yes/no to indicate whesther you are a reseller: ");

reseller[i] = Console.ReadLine();

if (reseller[i] == "yes")

{

// 20% discount

charge[i] = price \* 0.8;

}

else

{

charge[i] = price;

}

Console.WriteLine(String.Format("The total sales value from {0} is ${1}", name[i], charge[i]));

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

// finding max min value

if (min > charge[i])

{

min = charge[i];

minName = name[i];

}

if (max < charge[i])

{

max = charge[i];

maxName = name[i];

}

}

// summary heading

Console.WriteLine("\t\t\t\t\tSummary of sales\n");

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

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

// displaying table header

Console.WriteLine(String.Format("{0,15}{1,10}{2,10}{3,10}",

"Name", "Quantity", "Reseller", "Charge"));

// displaying table data

for (int i = 0; i < n; i++)

{

Console.WriteLine(String.Format("{0,15}{1,10}{2,10}{3,10}",

name[i], quantity[i], reseller[i], charge[i]));

}

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

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

Console.WriteLine(String.Format("The customer spending most is {0} ${1}", maxName, max));

Console.WriteLine(String.Format("The customer spending least is {0} ${1}", minName, min));

}

}

}