using System;

class LBakeshop

{

static void Main()

{

// Program Structure

Console.WriteLine("Welcome to the Bakeshop!");

// Basic Concepts, Variables, Data Types

int numberOfCookies = 10;

double cookiePrice = 1.5;

string customerName;

// User Input

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

customerName = Console.ReadLine();

// Doing Math, Arithmetic Operators, Assignment Operators

double totalCost = numberOfCookies \* cookiePrice;

totalCost += 2; // Additional charge for packaging

// More on Strings, Concatenation, and Interpolation

Console.WriteLine($"Dear {customerName}, your total cost is: ${totalCost}");

// Comparison Operators, if Statement, else if Statement, else Statement

if (totalCost > 10)

{

Console.WriteLine("You qualify for a discount!");

}

else if (totalCost == 10)

{

Console.WriteLine("You just made it for a discount!");

}

else

{

Console.WriteLine("No discount this time.");

}

// Logical Operators

bool isPreferredCustomer = true;

if (totalCost > 10 && isPreferredCustomer)

{

Console.WriteLine("You qualify for an additional discount as a preferred customer!");

}

// switch Statement

Console.Write("Enter your favorite baked good (cake/cookie/bread): ");

string favoriteBakedGood = Console.ReadLine();

switch (favoriteBakedGood.ToLower())

{

case "cake":

Console.WriteLine("Excellent choice! Our cakes are delicious.");

break;

case "cookie":

Console.WriteLine("Cookies are a classic treat!");

break;

case "bread":

Console.WriteLine("Freshly baked bread is a staple. Great choice!");

break;

default:

Console.WriteLine("Sorry, we don't have that option available.");

break;

}

// Ternary Operator

string discountMessage = (isPreferredCustomer) ? "You have a discount!" : "No discount this time.";

Console.WriteLine(discountMessage);

// for Loop

Console.WriteLine("Here's a list of our top 5 products:");

for (int i = 1; i <= 5; i++)

{

Console.WriteLine($"Product {i}");

}

// while Loop

int counter = 0;

while (counter < 3)

{

Console.WriteLine("Thank you for visiting the Bakeshop!");

counter++;

}

// break and continue

for (int i = 1; i <= 10; i++)

{

if (i % 2 == 0)

continue; // Skip even numbers

if (i == 7)

break; // Exit the loop when reaching 7

Console.WriteLine($"Number: {i}");

}

// Methods, Parameters, and Arguments

DisplayThankYouMessage(customerName);

}

// Returning from Methods

static void DisplayThankYouMessage(string name)

{

Console.WriteLine($"Thank you, {name}, for choosing our Bakeshop! Have a wonderful day!");

}

}