**C# Lab 02.**

**1**. using System;

namespace Lab01

{

class Program

{

static void Main(string[] args)

{

// Get two input numbers from the user.

Console.WriteLine("Enter the first number:");

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

Console.WriteLine("Enter the second number:");

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

// Calculate the sum of the two input numbers.

int sum = firstNumber + secondNumber;

// Print the sum of the two input numbers.

Console.WriteLine("The sum of the two input numbers is {0}.", sum);

}

}

}

**2.** using System;

namespace Lab01

{

class Program

{

static void Main(string[] args)

{

// Get two input numbers from the user.

Console.WriteLine("Enter the first number:");

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

Console.WriteLine("Enter the second number:");

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

// Calculate the sum, subtraction, multiplication, and division of the two input numbers.

int sum = firstNumber + secondNumber;

int difference = firstNumber - secondNumber;

int product = firstNumber \* secondNumber;

float quotient = (float)firstNumber / secondNumber;

// Print the results of the calculations.

Console.WriteLine("The sum of the two input numbers is {0}.", sum);

Console.WriteLine("The difference of the two input numbers is {0}.", difference);

Console.WriteLine("The product of the two input numbers is {0}.", product);

Console.WriteLine("The quotient of the two input numbers is {0}.", quotient);

}

}

}

**3.** using System;

namespace Lab01

{

class Program

{

static void Main(string[] args)

{

// Get the radius of the circle from the user.

Console.WriteLine("Enter the radius of the circle:");

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

// Calculate the area of the circle.

double area = Math.PI \* radius \* radius;

// Calculate the circumference of the circle.

double circumference = 2 \* Math.PI \* radius;

// Print the area and circumference of the circle.

Console.WriteLine("The area of the circle is {0}.", area);

Console.WriteLine("The circumference of the circle is {0}.", circumference);

}

}

}

**4.** using System;

namespace Lab01

{

class Program

{

static void Main(string[] args)

{

// Get the number from the user.

Console.WriteLine("Enter a number:");

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

// Check if the number is even or odd.

if (number % 2 == 0)

{

Console.WriteLine("The number is even.");

}

else

{

Console.WriteLine("The number is odd.");

}

}

}

}

**5.** using System;

namespace Lab01

{

class Program

{

static void Main(string[] args)

{

// Declare an array to store the user inputs.

int[] userInputs = new int[10];

// Get 10 user inputs.

for (int i = 0; i < userInputs.Length; i++)

{

Console.WriteLine("Enter a number:");

userInputs[i] = int.Parse(Console.ReadLine());

}

// Check if each user input is even or odd.

for (int i = 0; i < userInputs.Length; i++)

{

if (userInputs[i] % 2 == 0)

{

Console.WriteLine("{0} is even.", userInputs[i]);

}

else

{

Console.WriteLine("{0} is odd.", userInputs[i]);

}

}

}

}

}