Lab-02

01)

using System;

namespace SumCalculator

{

class Program

{

static void Main(string[] args)

{

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

string num1Input = Console.ReadLine();

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

string num2Input = Console.ReadLine();

if (double.TryParse(num1Input, out double num1) && double.TryParse(num2Input, out double num2))

{

double sum = num1 + num2;

Console.WriteLine($"The sum of {num1} and {num2} is: {sum}");

}

else

{

Console.WriteLine("Invalid input. Please enter valid numbers for both inputs.");

}

Console.ReadKey();

}

}

}

02)

using System;

namespace BasicCalculator

{

class Program

{

static void Main(string[] args)

{

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

string num1Input = Console.ReadLine();

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

string num2Input = Console.ReadLine();

if (double.TryParse(num1Input, out double num1) && double.TryParse(num2Input, out double num2))

{

double sum = num1 + num2;

double subtraction = num1 - num2;

double multiplication = num1 \* num2;

double division = num2 != 0 ? num1 / num2 : 0;

Console.WriteLine($"Sum: {sum}");

Console.WriteLine($"Subtraction: {subtraction}");

Console.WriteLine($"Multiplication: {multiplication}");

Console.WriteLine($"Division: {division}");

}

else

{

Console.WriteLine("Invalid input. Please enter valid numbers for both inputs.");

}

Console.ReadKey();

}

}

}

04)

using System;

namespace EvenOddChecker

{

class Program

{

static void Main(string[] args)

{

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

string numberInput = Console.ReadLine();

if (int.TryParse(numberInput, out int number))

{

if (number % 2 == 0)

{

Console.WriteLine($"{number} is an even number.");

}

else

{

Console.WriteLine($"{number} is an odd number.");

}

}

else

{

Console.WriteLine("Invalid input. Please enter a valid integer number.");

}

Console.ReadKey();

}

}

}

05)

using System;

namespace EvenOddChecker

{

class Program

{

static void Main(string[] args)

{

const int numberOfInputs = 10;

Console.WriteLine($"Enter {numberOfInputs} numbers:");

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

{

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

string numberInput = Console.ReadLine();

if (int.TryParse(numberInput, out int number))

{

string evenOrOdd = number % 2 == 0 ? "even" : "odd";

Console.WriteLine($"{number} is an {evenOrOdd} number.");

}

else

{

Console.WriteLine($"Invalid input for number {i}. Please enter a valid integer number.");

}

}

Console.ReadKey();

}

}

}