**LAB 2**

**Question 1**

using System;

class Program

{

static void Main()

{

Console.WriteLine("Welcome to the Sum Calculator!");

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

string firstNumberInput = Console.ReadLine();

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

string secondNumberInput = Console.ReadLine();

if (double.TryParse(firstNumberInput, out double firstNumber) && double.TryParse(secondNumberInput, out double secondNumber))

{

double sum = firstNumber + secondNumber;

Console.WriteLine("The sum of the numbers is: " + sum);

}

else

{

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

}

Console.WriteLine("\nPress any key to exit.");

Console.ReadKey();

    }

}

**Question 2**

using System;

class Program

{

static void Main()

{

Console.WriteLine("Welcome to the Arithmetic Calculator!");

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

string firstNumberInput = Console.ReadLine();

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

string secondNumberInput = Console.ReadLine();

if (double.TryParse(firstNumberInput, out double firstNumber) && double.TryParse(secondNumberInput, out double secondNumber))

{

double sum = firstNumber + secondNumber;

double subtraction = firstNumber - secondNumber;

double multiplication = firstNumber \* secondNumber;

double division = firstNumber / secondNumber;

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.");

}

Console.WriteLine("\nPress any key to exit.");

Console.ReadKey();

}

}

**Question 3**

using System;

class Program

{

static void Main()

{

Console.WriteLine("Welcome to the Even-Odd Number Checker!");

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

string numberInput = Console.ReadLine();

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

{

if (number % 2 == 0)

{

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

}

else

{

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

}

}

else

{

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

}

Console.WriteLine("\nPress any key to exit.");

Console.ReadKey();

}

}

**Question4**

using System;

class Program

{

static void Main()

{

Console.WriteLine("Welcome to the Even-Odd Number Checker!");

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

string numberInput = Console.ReadLine();

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

{

if (number % 2 == 0)

{

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

}

else

{

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

}

}

else

{

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

}

Console.WriteLine("\nPress any key to exit.");

Console.ReadKey();

}

}

**Question 5**

using System;

class Program

{

static void Main()

{

Console.WriteLine("Welcome to the Even-Odd Number Checker!");

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

{

Console.Write($"Enter number #{i}: ");

string numberInput = Console.ReadLine();

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

{

if (number % 2 == 0)

{

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

}

else

{

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

}

}

else

{

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

}

}

Console.WriteLine("\nPress any key to exit.");

Console.ReadKey();

}

}