Lab 02

27003

MER Perera

1. using System;

namespace SimpleCalculator

{

class Program

{

static void Main(string[] args)

{

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

double num1 = Convert.ToDouble(Console.ReadLine());

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

double num2 = Convert.ToDouble(Console.ReadLine());

double sum = num1 + num2;

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

}

}

}

2. using System;

namespace AdvancedCalculator

{

class Program

{

static void Main(string[] args)

{

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

double num1 = Convert.ToDouble(Console.ReadLine());

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

double num2 = Convert.ToDouble(Console.ReadLine());

double sum = num1 + num2;

double subtraction = num1 - num2;

double multiplication = num1 \* num2;

double division = num1 / num2;

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

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

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

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

}

}

}

3. using System;

namespace CircleCalculator

{

class Program

{

static void Main(string[] args)

{

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

double radius = Convert.ToDouble(Console.ReadLine());

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

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

Console.WriteLine($"Area of the circle: {area}");

Console.WriteLine($"Circumference of the circle: {circumference}");

}

}

}

4. using System;

namespace EvenOddChecker

{

class Program

{

static void Main(string[] args)

{

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

int number = Convert.ToInt32(Console.ReadLine());

if (number % 2 == 0)

Console.WriteLine("Even");

else

Console.WriteLine("Odd");

}

}

}

5. using System;

namespace EvenOddCheckerMultiple

{

class Program

{

static void Main(string[] args)

{

int numberOfInputs = 10;

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

{

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

int number = Convert.ToInt32(Console.ReadLine());

if (number % 2 == 0)

Console.WriteLine("Even");

else

Console.WriteLine("Odd");

}

}

}

}