**Lab 02**

(1)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1

{

internal class Program

{

static void Main(string[] args)

{

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

int number1 = Convert.ToInt32(Console.ReadLine());

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

int number2 = Convert.ToInt32(Console.ReadLine());

int sum = number1 + number2;

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

Console.ReadLine();

}

}

}

(2)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_2

{

internal class Program

{

static void Main(string[] args)

{

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

double number1 = Convert.ToDouble(Console.ReadLine());

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

double number2 = Convert.ToDouble(Console.ReadLine());

double sum = number1 + number2;

double substraction = number1 - number2;

double multiplication = number1 \* number2;

double division = number1 / number2;

Console.WriteLine("Sum: " + sum);

Console.WriteLine("Subtraction: " + substraction);

Console.WriteLine("Multiplication: " + multiplication);

Console.WriteLine("Division: " + division);

Console.ReadLine();

}

}

}

(3)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_3

{

internal class Program

{

static void Main(string[] args)

{

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

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

double area = CalculateCircleArea(radius);

double circumference = CalculateCircleCircumference(radius);

Console.WriteLine("Area of the circle: " + area);

Console.WriteLine("Circumference of the circle: " + circumference);

Console.ReadLine();

}

static double CalculateCircleArea(double radius)

{

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

return area;

}

static double CalculateCircleCircumference(double radius)

{

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

return circumference;

}

}

}

(4)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_4

{

internal class Program

{

static void Main(string[] args)

{

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

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

if(number==0)

{

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

}

else if(number%2==0)

{

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

}

else

{

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

}

Console.ReadLine();

}

}

}

(5)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_5

{

internal class Program

{

static void Main(string[] args)

{

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

{

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

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

if(number==0)

{

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

}

else if(number%2==0)

{

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

}

else

{

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

}

}

Console.ReadLine();

}

}

}