• C# LAB 02

1. static void Main(string[] args)

{

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

int num1=Convert.ToInt32(Console.ReadLine());

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

int num2=Convert.ToInt32(Console.ReadLine());

int sum = (num1+num2);

Console.WriteLine("your answer is " + sum);

Console.ReadLine();

}

2. static void Main(string[] args)

{

Console.WriteLine("Enter your first number");

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

Console.WriteLine("enter your second number");

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

double sum = num1 + num2;

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

double subtraction = num1 - num2;

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

double multiplication = num1 \* num2;

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

if (num2 != 0)

{

double division = num1 / num2 ;

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

}

else

{

Console.WriteLine("Division by zero is not allowed.");

}

Console.ReadLine();

}

3. static void Main(string[] args)

{

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

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

double area = Math.PI \* Math.Pow(radius, 2);

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

Console.WriteLine("your circule area is " + area);

Console.WriteLine("your circule circumference is " + circumference);

Console.ReadLine();

}

4. static void Main(string[] args)

{

Console.WriteLine("Enter your number");

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

if ( IsEven(number))

{

Console.WriteLine(number + " is an even number");

}

else

{

Console.WriteLine(number + " is an odd number");

}

Console.ReadLine();

}

static bool IsEven(int number)

{

return number % 2 == 0;

}

5. static void Main(string[] args)

{

const int totalInputs = 10;

Console.WriteLine("Enter " + totalInputs + " numbers:");

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

{

Console.Write("Number " + i + ": ");

string input = Console.ReadLine();

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

{

if (IsEven(number))

{

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.ReadLine();

}

static bool IsEven(int number)

{

return number % 2 == 0;

}