C# Lab 01

1)

using System;

namespace NameAndBatchConsoleApp

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter your name:");

string name = Console.ReadLine();

Console.WriteLine("Enter your batch:");

string batch = Console.ReadLine();

Console.WriteLine("Name: " + name);

Console.WriteLine("Batch: " + batch);

Console.ReadLine();

}

}

}

2)

using System;

namespace CircleAreaConsoleApp

{

class Program

{

static void Main(string[] args)

{

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

double radius = double.Parse(Console.ReadLine());

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

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

Console.ReadLine();

}

}

}

3)

using System;

namespace SummationConsoleApp

{

class Program

{

static void Main(string[] args)

{

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

int num1 = int.Parse(Console.ReadLine());

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

int num2 = int.Parse(Console.ReadLine());

int sum = num1 + num2;

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

Console.ReadLine();

}

}

}

4)

using System;

namespace SalaryAfterTaxConsoleApp

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter the employee's salary:");

double salary = double.Parse(Console.ReadLine());

Console.WriteLine("Enter the tax rate (in decimal, e.g., 0.20 for 20% tax):");

double taxRate = double.Parse(Console.ReadLine());

double taxAmount = salary \* taxRate;

double salaryAfterTax = salary - taxAmount;

Console.WriteLine("Salary after tax deduction: " + salaryAfterTax);

Console.ReadLine();

}

}

}