**Lab 01**

(1)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1.\_1

{

internal class Program

{

static void Main(string[] args)

{

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

string name = Console.ReadLine();

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

string batch = Console.ReadLine();

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

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

Console.ReadLine();

}

}

}

(2)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1.\_2

{

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);

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

Console.ReadLine();

}

static double CalculateCircleArea(double radius)

{

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

return area;

}

}

}

(3)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1.\_3

{

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();

}

}

}

(4)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1.\_4

{

internal class Program

{

static void Main(string[] args)

{

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

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

Console.Write("Enter the tax rate(in decimal form): ");

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

double salaryAfterTax =salary \* (1-taxRate);

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

Console.ReadLine();

}

}

}