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**C# Lab 01.**

1. Create a Console application that can read your name and batch as an input and print them into the console.

2. Create a Console application that can read the radius from the user and calculate the Area of a circle.

3. Create a console application that can read two input values and show the summation of the inputs.

4. Create a console application that can read salary of an employee and tax rate. Then show salary after the tax.

Answers

1.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace 1.1

{

internal 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;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace 1.2

{

internal class Program

{

static void Main(string[] args)

{

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

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

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

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

}

}

}

3.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace 1.3

{

internal class Program

{

static void Main(string[] args)

{

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

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

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

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

int sum = num1 + num2;

Console.WriteLine("The summation is: " + sum);

}

}

}

4.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace \_1.\_4

{

internal class Program

{

static void Main(string[] args)

{

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

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

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

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

double taxAmount = salary \* taxRate;

double salaryAfterTax = salary - taxAmount;

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

}

}

}