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**Lab 01**

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

using System;

namespace ConsoleApp

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Please enter your name:");

string name = Console.ReadLine();

Console.WriteLine("Please enter your batch:");

string batch = Console.ReadLine();

Console.WriteLine("Your name is: " + name);

Console.WriteLine("Your batch is: " + batch);

Console.ReadLine(); // This line is added so that the console window does not close immediately after printing the output.

}

}

}

A screenshot of a computer

Description automatically generated

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

using System;

namespace ConsoleApp

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Please 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);

Console.ReadLine(); // This line is added so that the console window does not close immediately after printing the output.

}

}

}

A screenshot of a computer

Description automatically generated with medium confidence

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

using System;

namespace ConsoleApp

{

class Program

{

static void Main(string[] args)

{

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

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

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

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

double sum = num1 + num2;

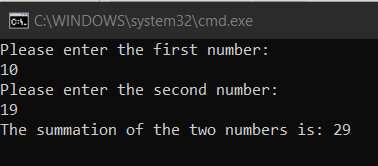
Console.WriteLine("The summation of the two numbers is: " + sum);

Console.ReadLine(); // This line is added so that the console window does not close immediately after printing the output.

}

}

}



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

using System;

namespace ConsoleApp

{

class Program

{

static void Main(string[] args)

{

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

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

Console.WriteLine("Please enter the tax rate (as a decimal):");

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

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

Console.WriteLine("The employee's salary after tax is: " + salaryAfterTax);

Console.ReadLine(); // This line is added so that the console window does not close immediately after printing the output.

}

}

}