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

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("\nYour name is: " + name);

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

Console.ReadLine(); // This will pause the program until you press Enter key

}

}

}

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

{

class Program

{

static void Main(string[] args)

{

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

string input = Console.ReadLine();

if (double.TryParse(input, out double radius))

{

double area = CalculateCircleArea(radius);

Console.WriteLine($"The area of the circle with radius {radius} is: {area}");

}

else

{

Console.WriteLine("Invalid input. Please enter a valid numeric value for the radius.");

}

Console.ReadLine(); // This will pause the program until you press Enter key

}

static double CalculateCircleArea(double radius)

{

return Math.PI \* radius \* radius;

}

}

}

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

class Program

{

static void Main(string[] args)

{

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

string input1 = Console.ReadLine();

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

string input2 = Console.ReadLine();

if (double.TryParse(input1, out double number1) && double.TryParse(input2, out double number2))

{

double sum = number1 + number2;

Console.WriteLine($"The summation of {number1} and {number2} is: {sum}");

}

else

{

Console.WriteLine("Invalid input. Please enter valid numeric values.");

}

Console.ReadLine(); // This will pause the program until you press Enter key

}

}

}

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

using System;

namespace SalaryCalculator

{

class Program

{

static void Main(string[] args)

{

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

string salaryInput = Console.ReadLine();

Console.WriteLine("Enter the tax rate (in decimal form, e.g. 0.15 for 15%):");

string taxRateInput = Console.ReadLine();

if (double.TryParse(salaryInput, out double salary) && double.TryParse(taxRateInput, out double taxRate))

{

double taxAmount = salary \* taxRate;

double salaryAfterTax = salary - taxAmount;

Console.WriteLine($"Salary before tax: {salary:C}");

Console.WriteLine($"Tax amount: {taxAmount:C}");

Console.WriteLine($"Salary after tax: {salaryAfterTax:C}");

}

else

{

Console.WriteLine("Invalid input. Please enter valid numeric values for salary and tax rate.");

}

Console.ReadLine(); // This will pause the program until you press Enter key

}

}

}