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27082

Lab 01

01.

using System;

namespace NameAndBatchConsoleApp

{

class Program

{

static void Main()

{

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

string name = Console.ReadLine();

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

string batch = Console.ReadLine();

Console.WriteLine(\$"Hello, {name}! You are in batch {batch}.");

Console.WriteLine("Press any key to exit...");

Console.ReadKey();

}

}

}

2.

```
using System;
```

```
namespace CircleAreaCalculator
```

```
{
```

```
    class Program
```

```
    {
```

```
        static void Main()
```

```
        {
```

```
            Console.WriteLine("Please enter the radius of the circle:");
```

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

```
            // Calculate the area of the circle using the formula: Area =  $\pi$  * radius^2
```

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

```
            Console.WriteLine("The area of the circle with radius {radius} is: {area:F2}");
```

```
        }
```

```
    }
```

```
}
```

3.

```
using System;
```

```
namespace SummationCalculator
```

```
{
```

```
    class Program
```

```

{
    static void Main()
    {
        Console.WriteLine("Enter the first value:");

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

        Console.WriteLine("Enter the second value:");
        double secondValue = double.Parse(Console.ReadLine());

        double summation = firstValue + secondValue;

        Console.WriteLine("The summation of {firstValue} and {secondValue} is: {summation}");

    }
}

```

4.

```

using System;

namespace SalaryCalculator
{
    class Program
    {
        static void Main()
        {
            Console.WriteLine("Enter the salary of the employee:");

```

```
double salary = double.Parse(Console.ReadLine());  
Console.WriteLine("Enter the tax rate (in decimal form, e.g., 0.15 for 15%):");  
  
double taxRate = double.Parse(Console.ReadLine());  
  
// Calculate the salary after tax deduction  
double salaryAfterTax = salary * (1 - taxRate);  
  
// Display the salary after tax  
Console.WriteLine("The salary after tax deduction is: {salaryAfterTax:C2}");  
  
}  
}  
}
```