6.0-Introduction to Methods

Program

```
using System;

class NumberConverter
{
    public static string ConvertNumber(int number)
    {
        string result;
        if (number > 0)
        {
            result = "Positive";
        }
        else if (number < 0)
        {
            result = "Negative";
        }
        else
        {
            result = "Zero";
        }
        return result;
    }

    public static void DisplayResult(int number, string result)
    {
```

```
        Console.WriteLine($"Number {number} is {result}");
    }

    static void Main()
    {
        Console.Write("Enter a number: ");
        int number = int.Parse(Console.ReadLine());

        string convertedNumber = ConvertNumber(number);
        DisplayResult(number, convertedNumber);
    }
}
```

Exercise

Write a C# program that takes an integer input from the user and determines whether the number is positive, negative, or zero.

Define a class named NumberConverter with two methods: ConvertNumber and DisplayResult.

The ConvertNumber method should accept an integer argument and return a string indicating whether the number is positive, negative, or zero.

The DisplayResult method should display the original number along with the conversion result to the console.

In the Main method, prompt the user to enter a number, call the ConvertNumber method to determine its sign, and then display the result using the DisplayResult method.

If the salary is greater than 180000, it prints "Tax Bracket: Very High".

Hint

Implement a method within the class named ConvertNumber that takes an integer argument and returns a string indicating whether the number is positive, negative, or zero.

Create another method called DisplayResult to print the original number along with its conversion result to the console.

Explanation

NumberConverter, prompts the user to input a number. It then employs the ConvertNumber method to determine whether the number is positive, negative, or zero. Based on this determination, it utilizes the DisplayResult method to print a message indicating the original number along with its classification (positive, negative, or zero) to the console.