

IT 230 Module Three Coding Discussion Instructions

Four Common Errors with C# Methods

Prompt: Consider the following C# console program that contains four programming errors:

```
using System;

namespace DailyRate
{
    class Program
    {
        static void Main(string[] args)
        {
            (new Program()).run();
        }

        void run()
        {
            double dailyRate = readDouble("Enter your daily rate: ");
            int noOfDays = readInt("Enter the number of days: ");
            writeFee(calculateFee(dailyRate, noOfDays));
        }

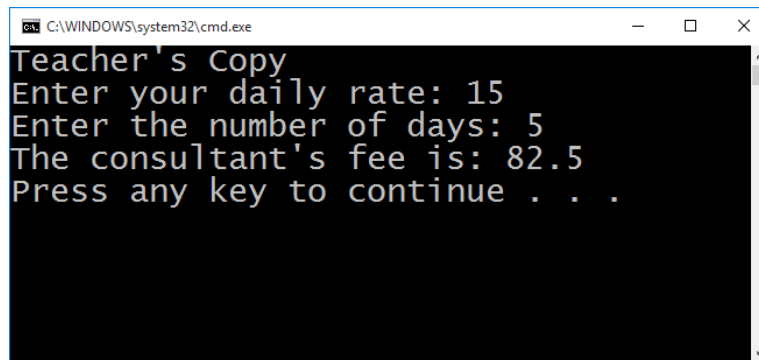
        private void writeFee(double p, int n)
        {
            Console.WriteLine("The consultant's fee is: {0}", p * 1.1);
        }

        private double calculateFee(double dailyRate, int noOfDays);
        {
            return dailyRate * noOfDays;
        }

        private double readInt(string p)
        {
            Console.Write(p);
            string line = Console.ReadLine();
            return int.Parse(line);
        }

        private double readDouble(int p)
        {
            Console.Write(p);
            string line = Console.ReadLine();
            return double.Parse(line);
        }
    }
}
```

Debug the program to identify these errors and correct them to be able to compile and run the program. The corrected program should look like this:



```
C:\WINDOWS\system32\cmd.exe
Teacher's Copy
Enter your daily rate: 15
Enter the number of days: 5
The consultant's fee is: 82.5
Press any key to continue . . .
```

Provide a screenshot of your output, explain the steps you took to complete this task, comment on the responses of others, and reflect on your experience and what you learned.

For additional details, please refer to the **Coding Discussion Guidelines and Rubric** document in the Assignment Guidelines and Rubrics section of the course.