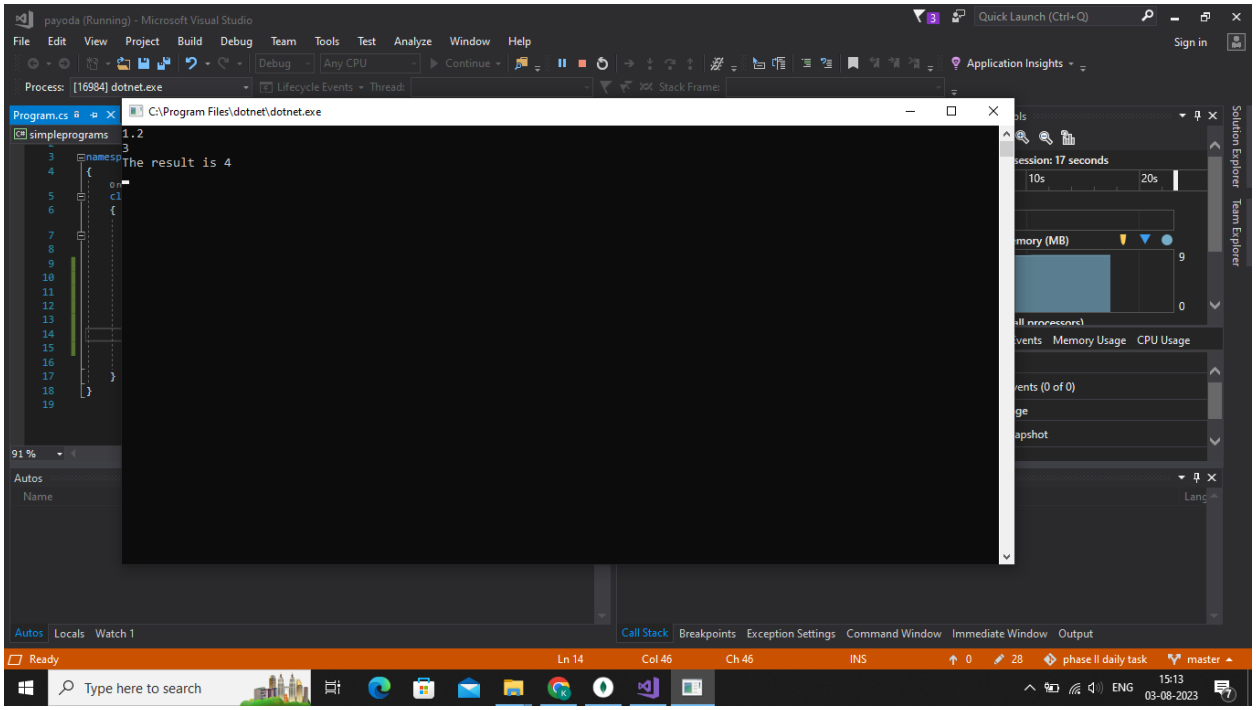
DAY4-C#-03/08/2023

Practice problems:C# sharp programs

Problem 1:addition of two numbers

```
namespace simpleprograms
{
   class Program
   {
      static void Main(string[] args)
      {
         double num1, num2;
         int res;
         num1 = Convert.ToDouble(Console.ReadLine());
         num2 = Convert.ToDouble(Console.ReadLine());
         res =(int)( num1 + num2);
         Console.WriteLine(res);
         Console.ReadLine();
      }
   }
}
```

OUTPUT:

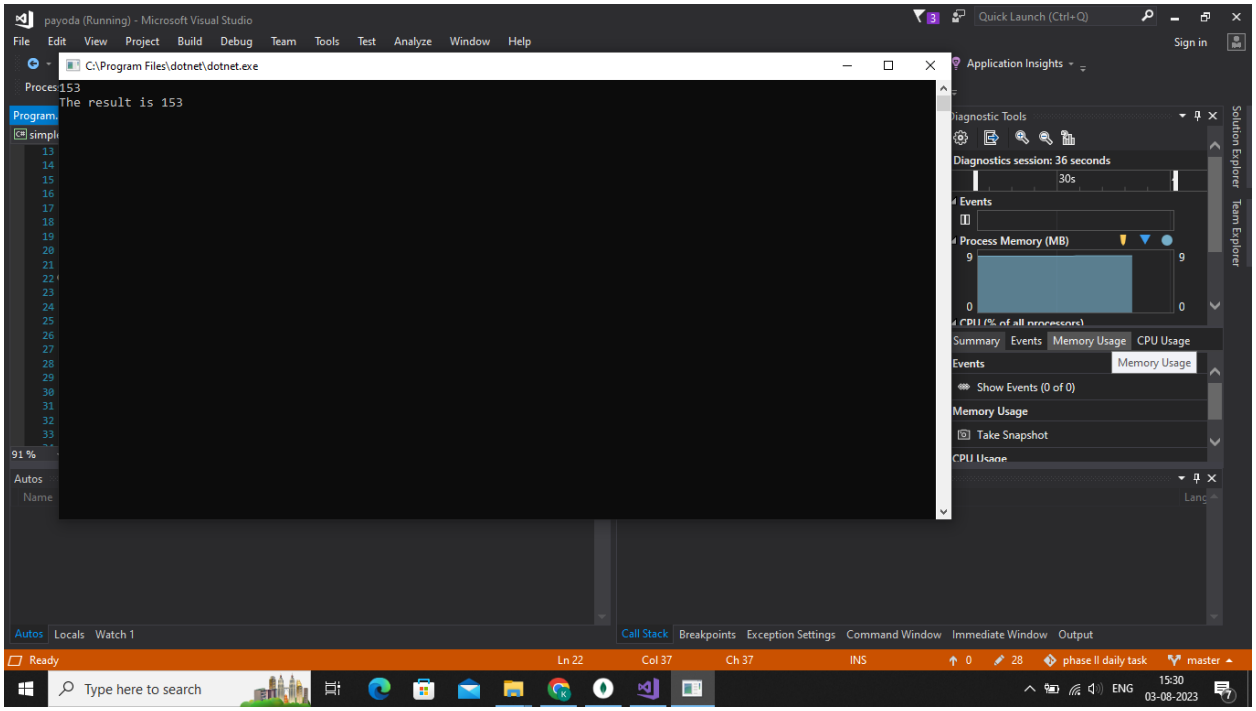


Problem 2:armstrong number

```
int num, sum = 0,rem,number;
        num = Convert.ToInt32(Console.ReadLine());
        number = num;
        while(num>0)
        {
            rem = num % 10;
            sum =rem*rem*rem+sum;
            num = num / 10;
        }
        if (sum == number)
        {
            Console.WriteLine("The result is " + sum);

        }
        else
        {
            Console.WriteLine("not arm");
        }
        Console.ReadLine();
    }
```

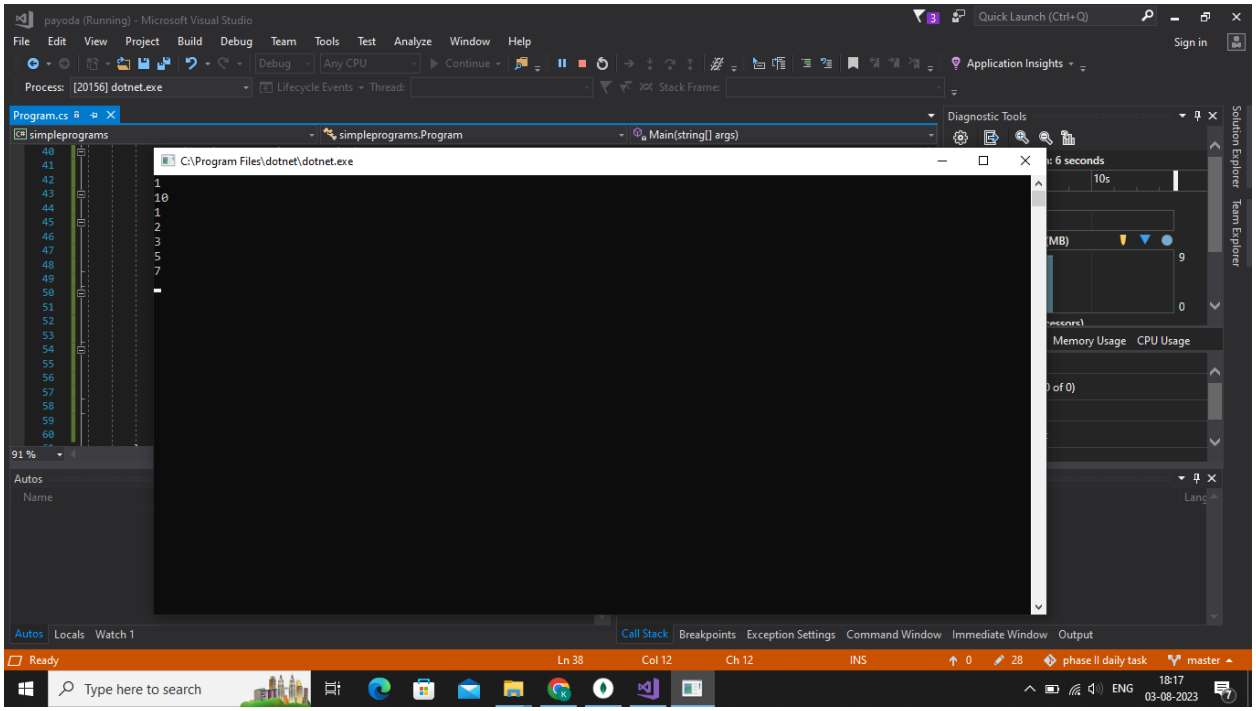
OUTPUT:



Program 3:prime number

```
int start, end;
 start = Convert.ToInt32(Console.ReadLine());
 end = Convert.ToInt32(Console.ReadLine());
 for (int i = start; i <= end; i++)
 {
    int count = 0;
    for (int j = 1; j <= i / 2; j++)
    {
       if (i % j == 0)
       {
          count++;
       } }
    if (i == 1)
    {
       Console.WriteLine(i);
    }
    if (count == 1)
    {
       Console.WriteLine(i);
    } }
```

Output

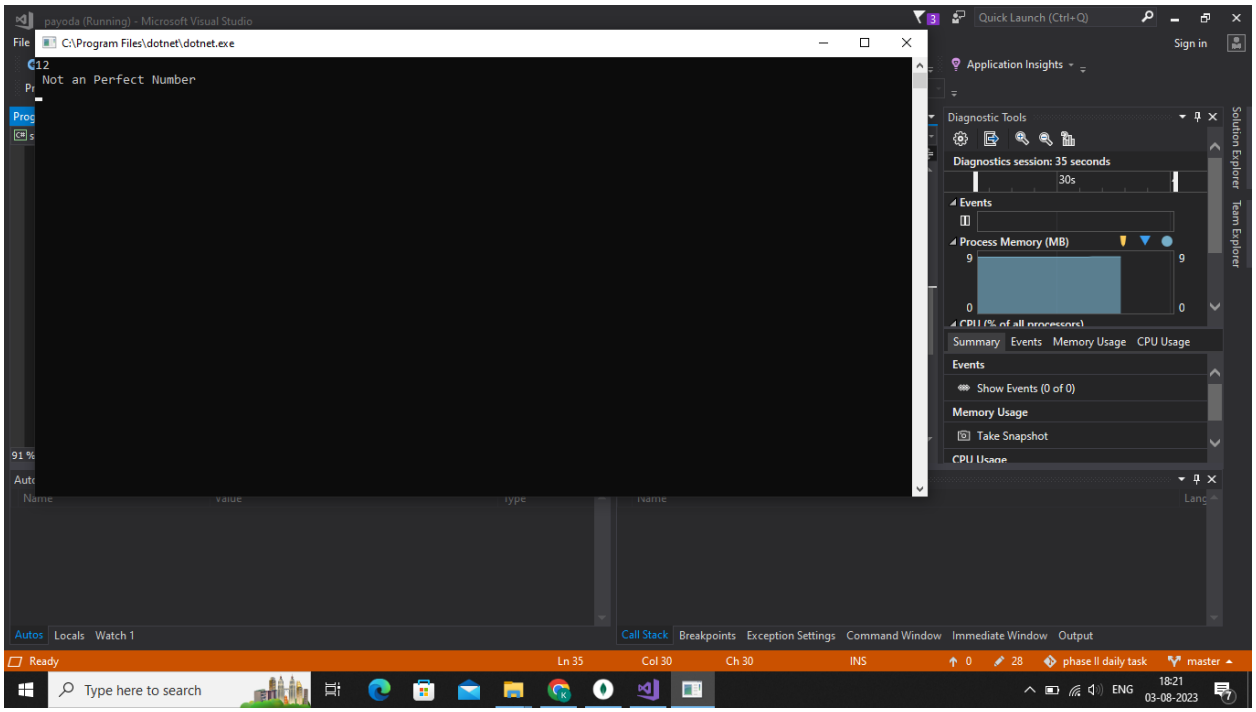


Program 4: Real number

```
int num, sum = 0;
        num = Convert.ToInt32(Console.ReadLine());
        for (int i = 1; i <= num / 2; i++)
        {
            if (num % i == 0)
            {
                sum += i;
            }
        }

        if (sum == num)
        {
            Console.WriteLine("Perfect Number");
        }
        else
        {
            Console.WriteLine(" Not an Perfect Number");
        }
        Console.ReadLine();
```

OUTPUT:


payoda (Running) - Microsoft Visual Studio
C:\Program Files\dotnet\dotnet.exe
12
Not an Perfect Number
Quick Launch (Ctrl+Q)
Sign in
Application Insights
Diagnostic Tools
Diagnostics session: 35 seconds
30s
Events
Process Memory (MB)
Summary
Events
Memory Usage
CPU Usage
Show Events (0 of 0)
Take Snapshot
Autos
Locals
Watch 1
Call Stack
Breakpoints
Exception Settings
Command Window
Immediate Window
Output
Ready
Ln 35
Col 30
Ch 30
INS
phase II daily task
master
Type here to search
ENG
18:21
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