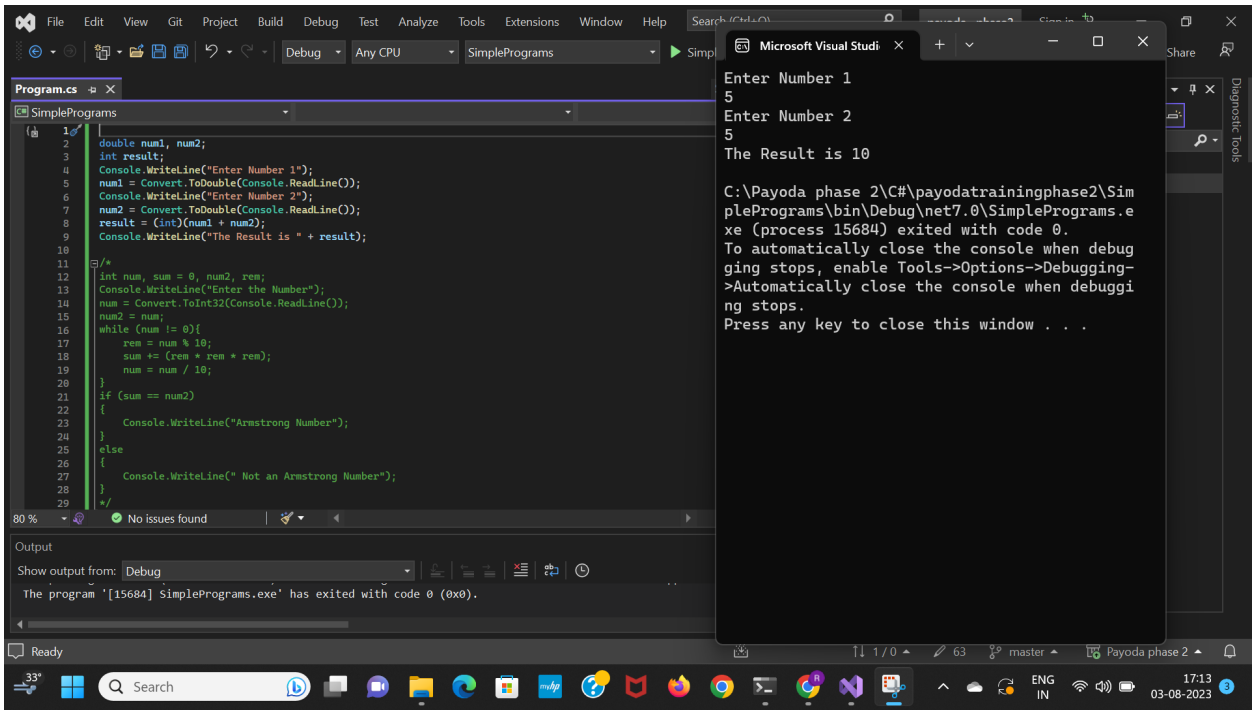
Phase 2 - Day 4

C#

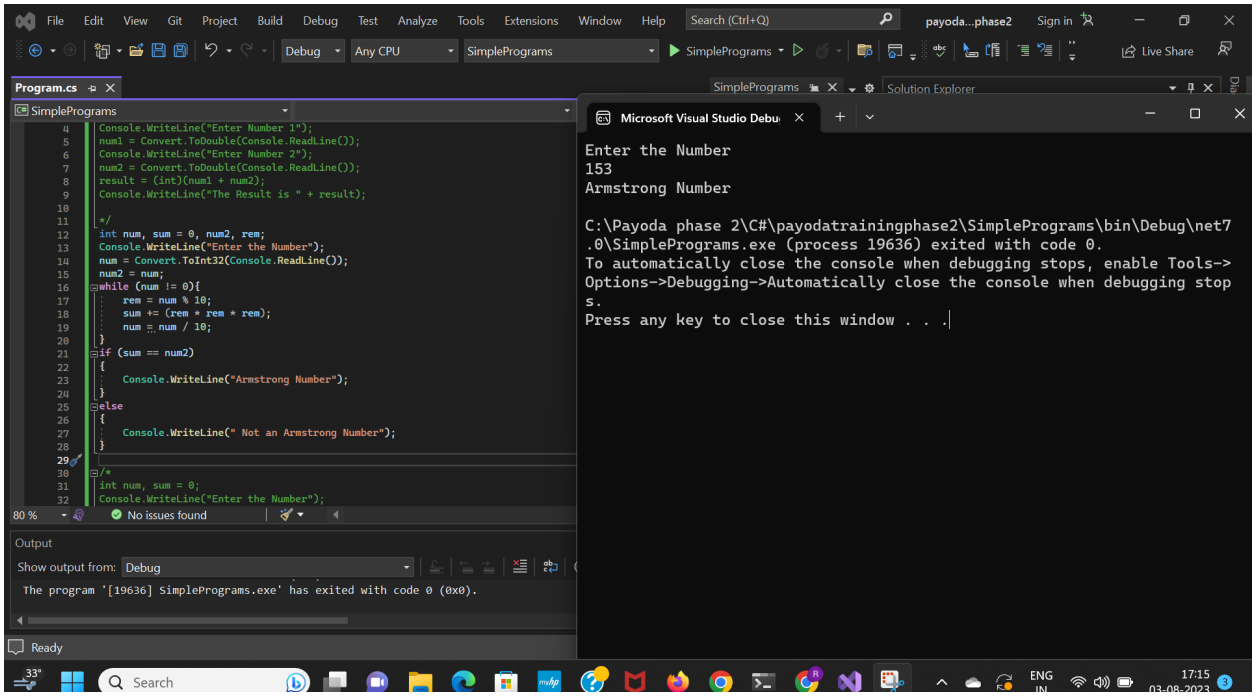
- In Day 3 I learned to install and working in basics in C#



Above screenshot is output for adding two numbers in C#.

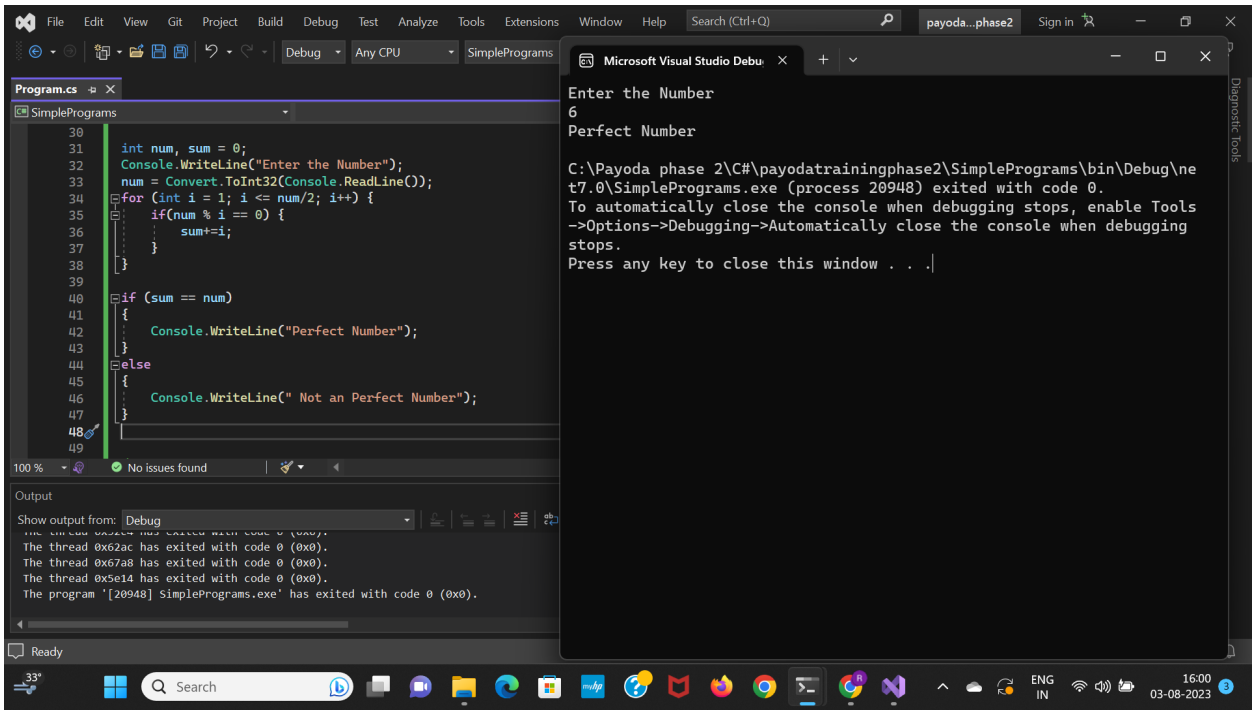
CODE FOR ADD TWO NUMBERS:

```
double num1, num2;
int result;
Console.WriteLine("Enter Number 1");
num1 = Convert.ToDouble(Console.ReadLine());
Console.WriteLine("Enter Number 2");
num2 = Convert.ToDouble(Console.ReadLine());
result = (int)(num1 + num2);
Console.WriteLine("The Result is " + result);
```



CODE FOR FINDING ARMSTRONG NUMBER:

```
int num, sum = 0, num2, rem;
Console.WriteLine("Enter the Number");
num = Convert.ToInt32(Console.ReadLine());
num2 = num;
while (num != 0){
    rem = num % 10;
    sum += (rem * rem * rem);
    num = num / 10;
}
if (sum == num2)
{
    Console.WriteLine("Armstrong Number");
}
else
{
    Console.WriteLine(" Not an Armstrong Number");
}
```

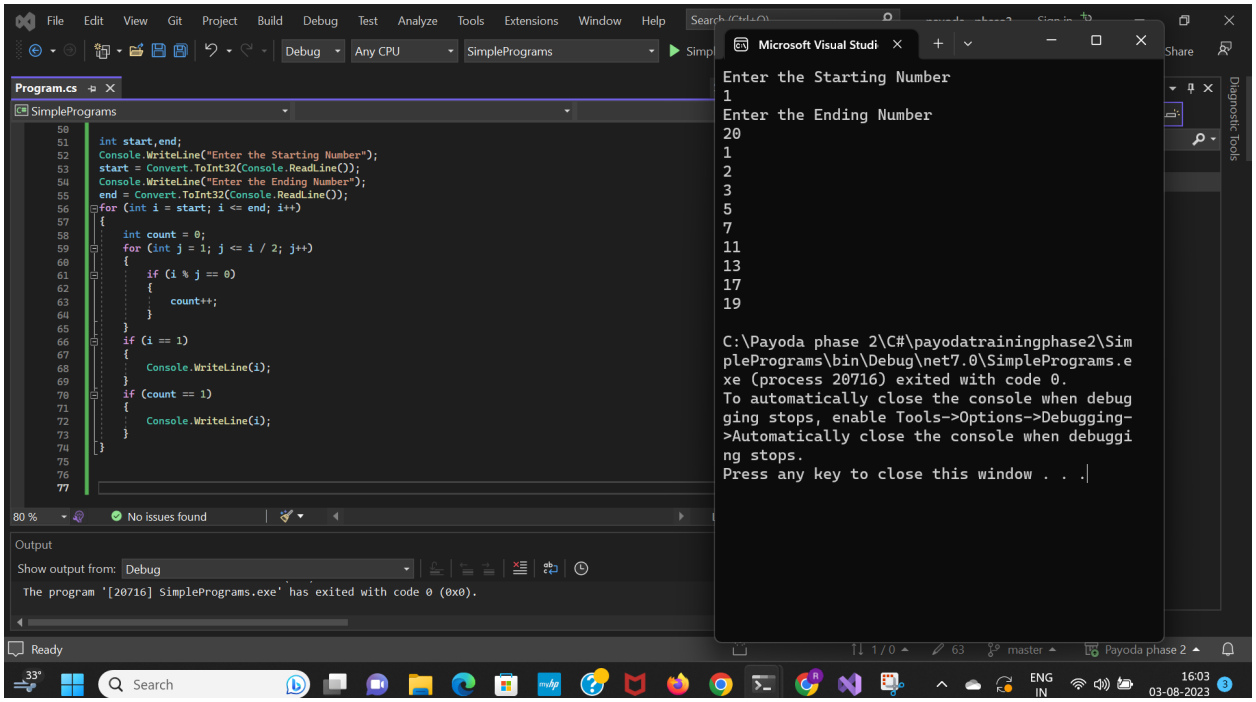


Above screenshot is output for Finding perfect number using C# in Visual Studio.

CODE FOR PERFECT NUMBER:

```
int num, sum = 0;
Console.WriteLine("Enter the Number");
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");}
```



Above screenshot is output for Printing the prime numbers using C# in Visual Studio.

CODE FOR PRINTING PRIME NUMBER:

```
int start,end;
Console.WriteLine("Enter the Starting Number");
start = Convert.ToInt32(Console.ReadLine());
Console.WriteLine("Enter the Ending Number");
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);}}
```