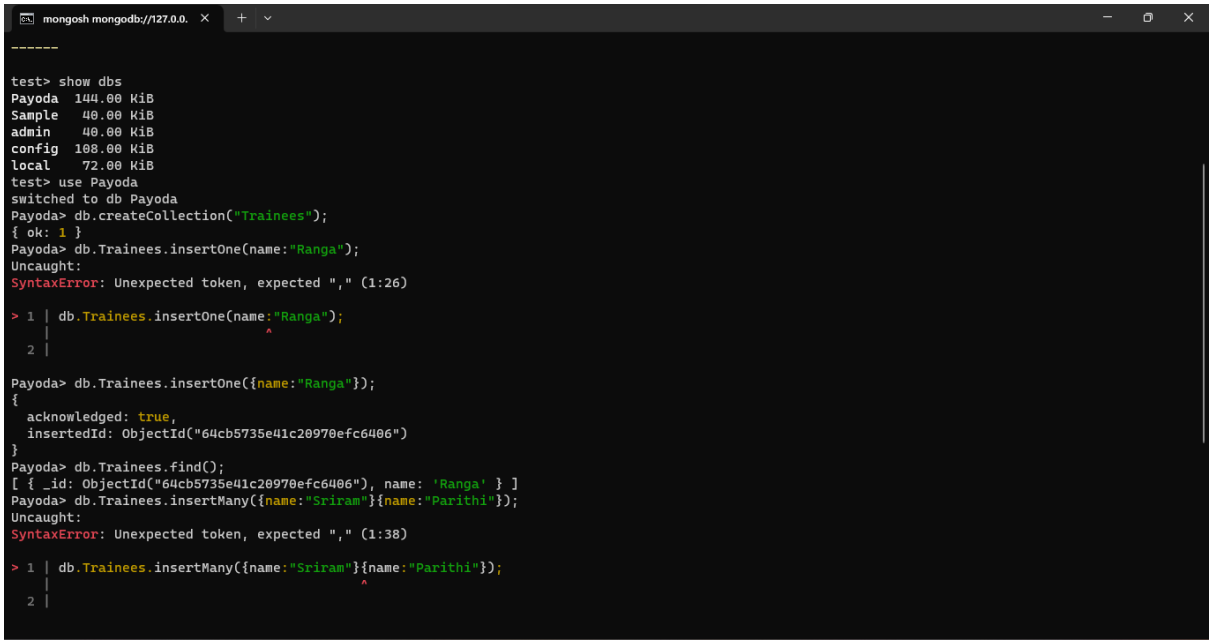
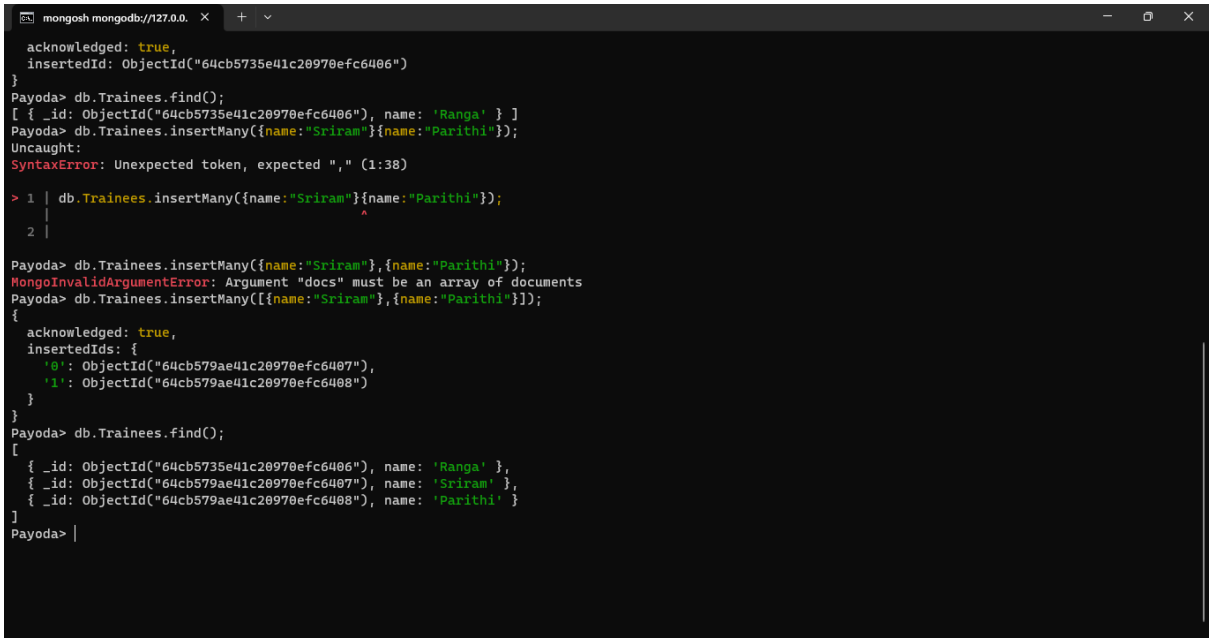
Day 4 – MongoDB and C# - 03.08.2023

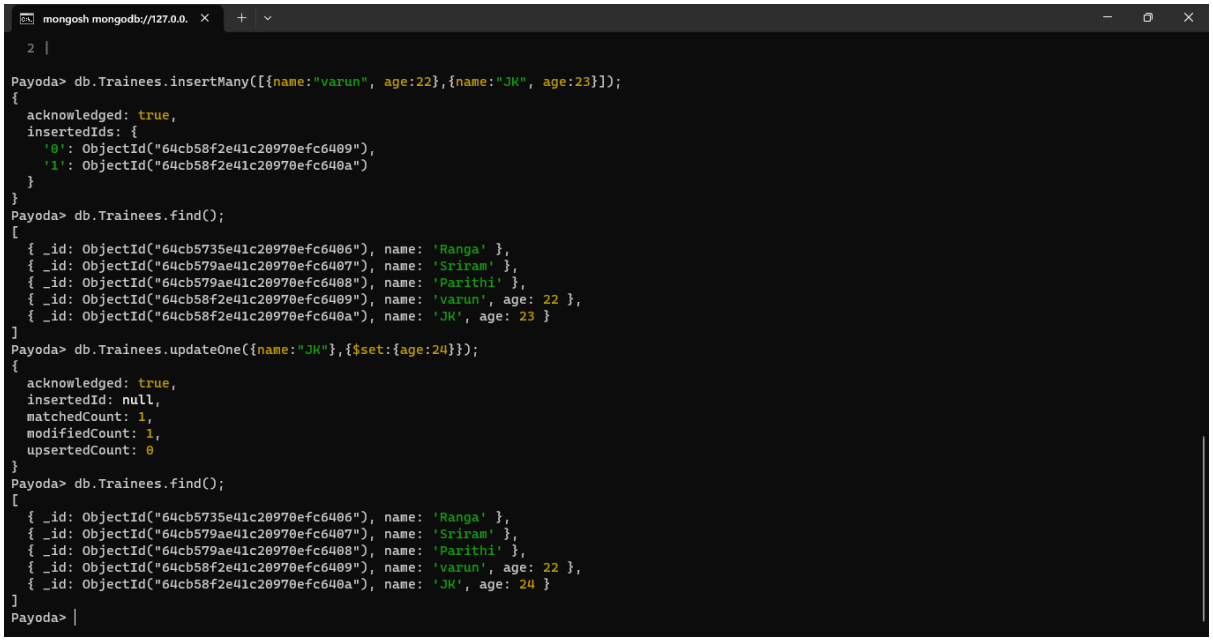
Mongo Db Practice



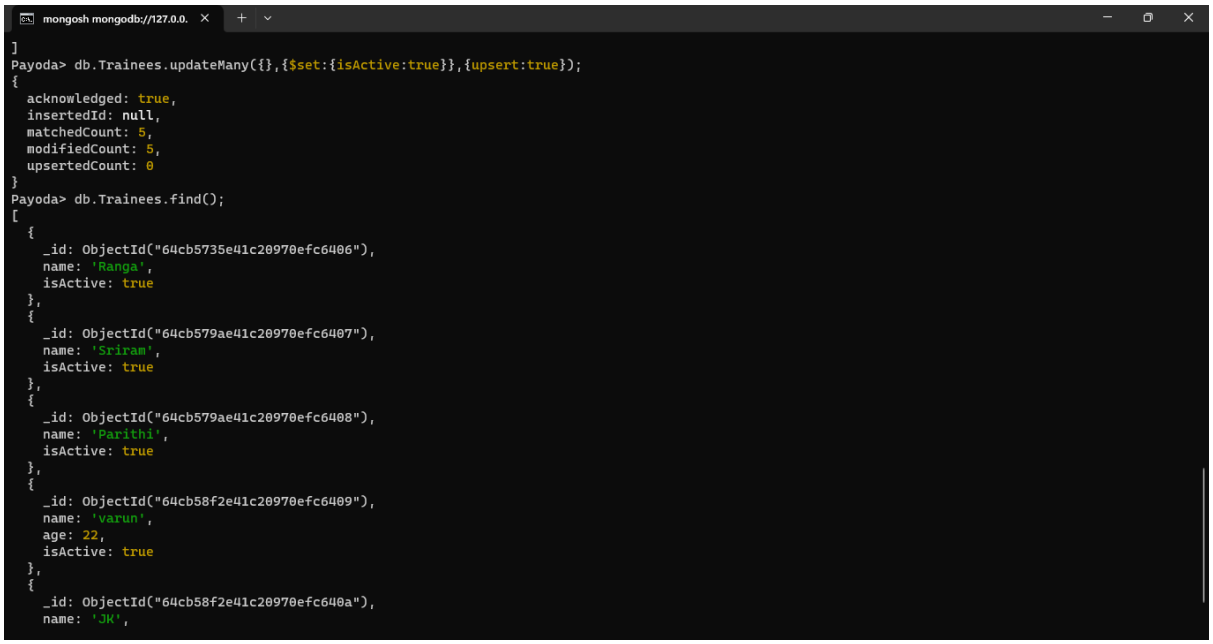
Creating a database Trainees and inserting documents in it, which is gathered together is called collections.



db.Trainees.find() is to show all the collections.

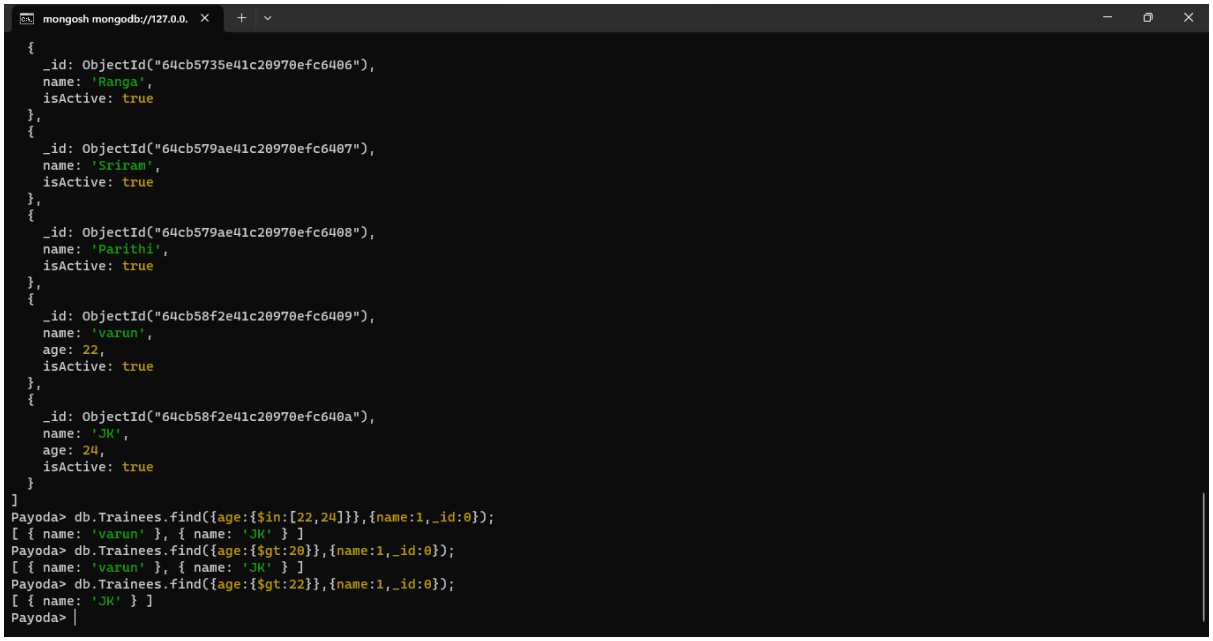


Update Query in Mongo

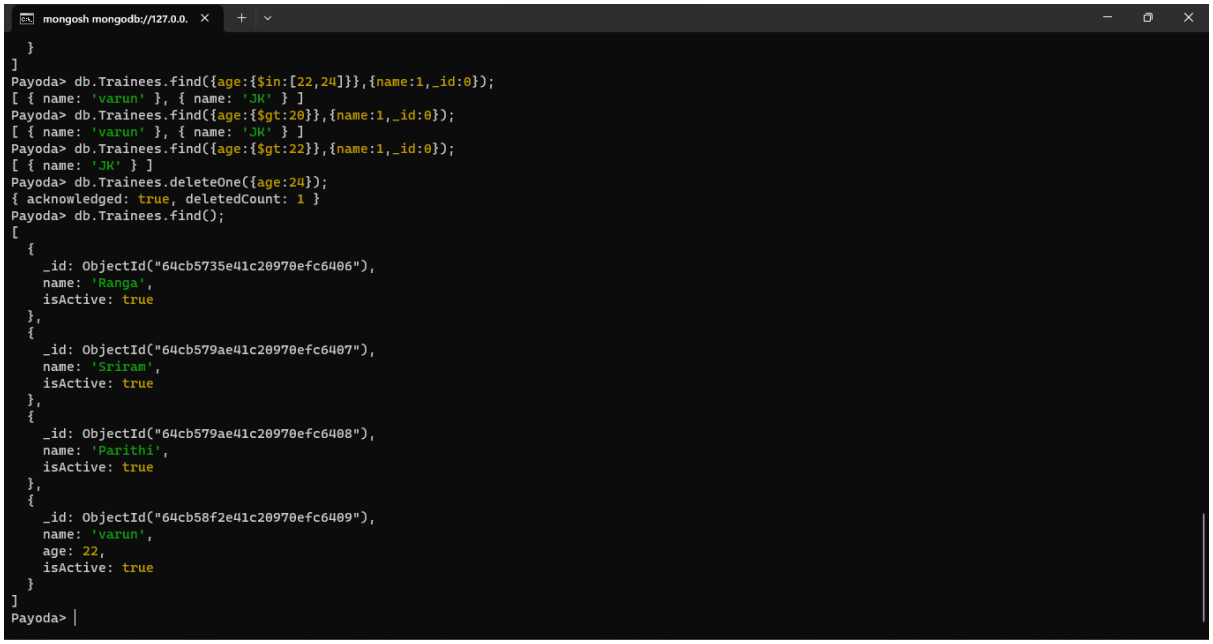


Update many query in Mongo

Find using in query in Mongo



Setting condition



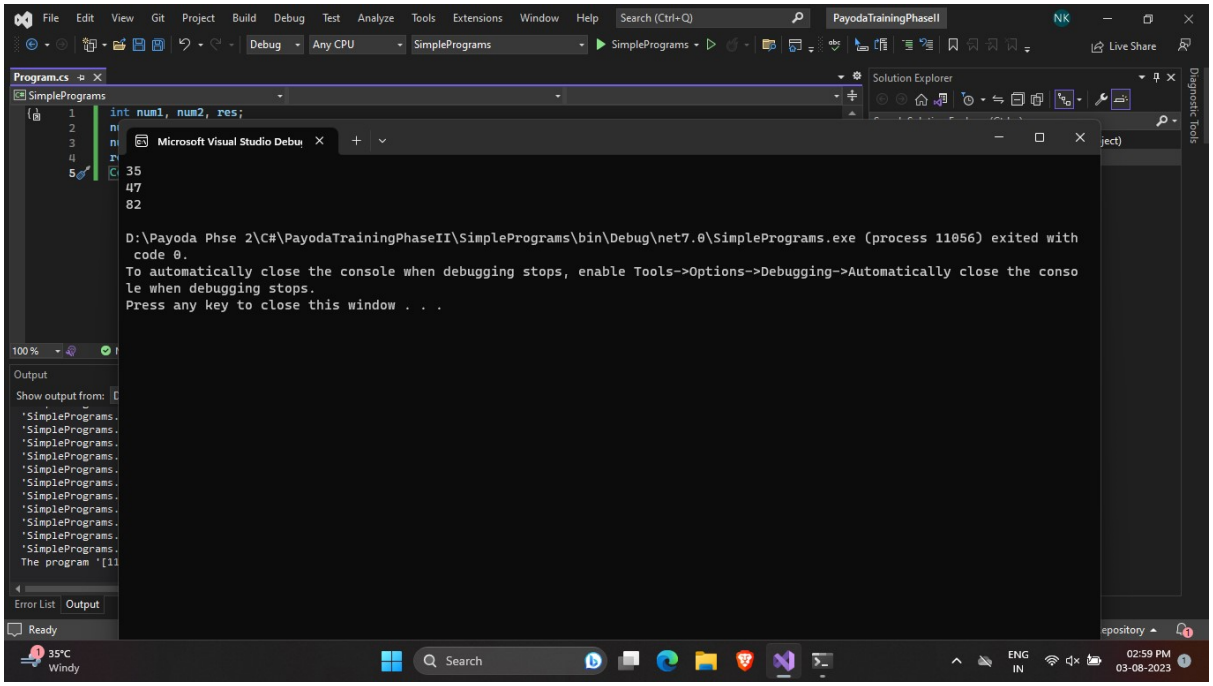
Deleting a document

C# Practice

1) Addition of Two numbers

```
int num1, num2;
    int res;
num1 = Convert.ToInt32(Console.ReadLine());
num2 = Convert.ToInt32(Console.ReadLine());
res=num1+num2;
Console.WriteLine(res);
```

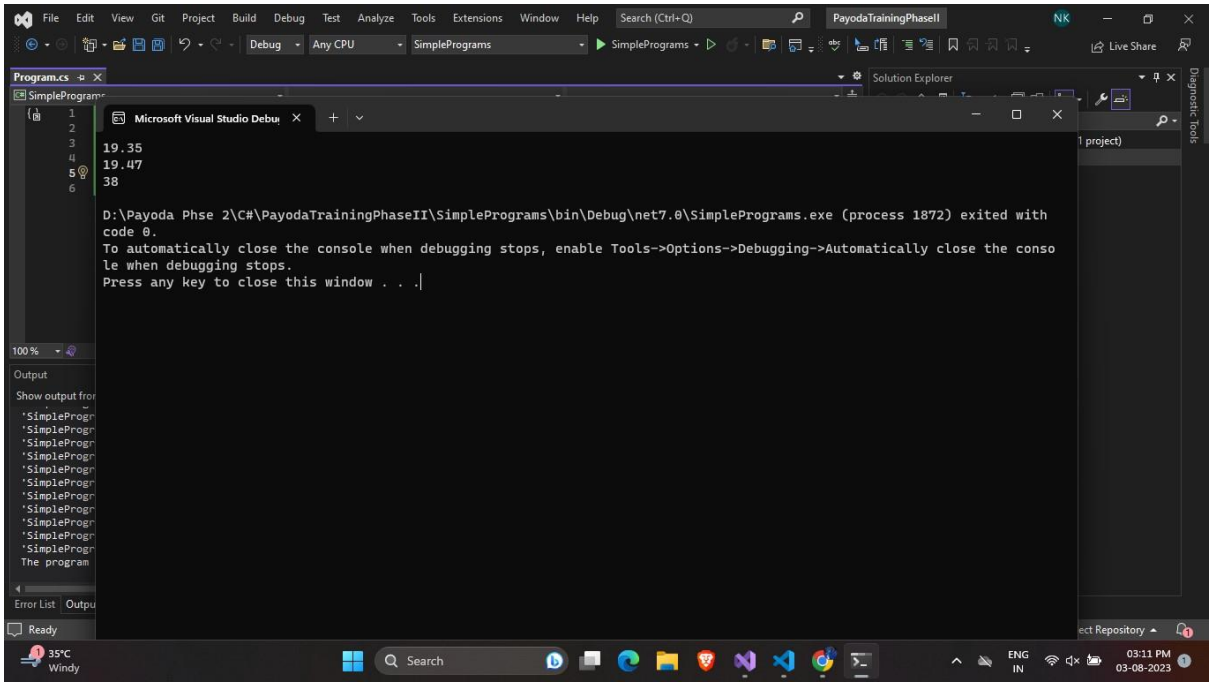
Output



2) Addition of 2 double numbers and typecast it to int

```
double num1, num2;
    int res;
num1 = Convert.ToDouble(Console.ReadLine());
num2 = Convert.ToDouble(Console.ReadLine());
res=(int)(num1+num2);
Console.WriteLine(res);
```

Output

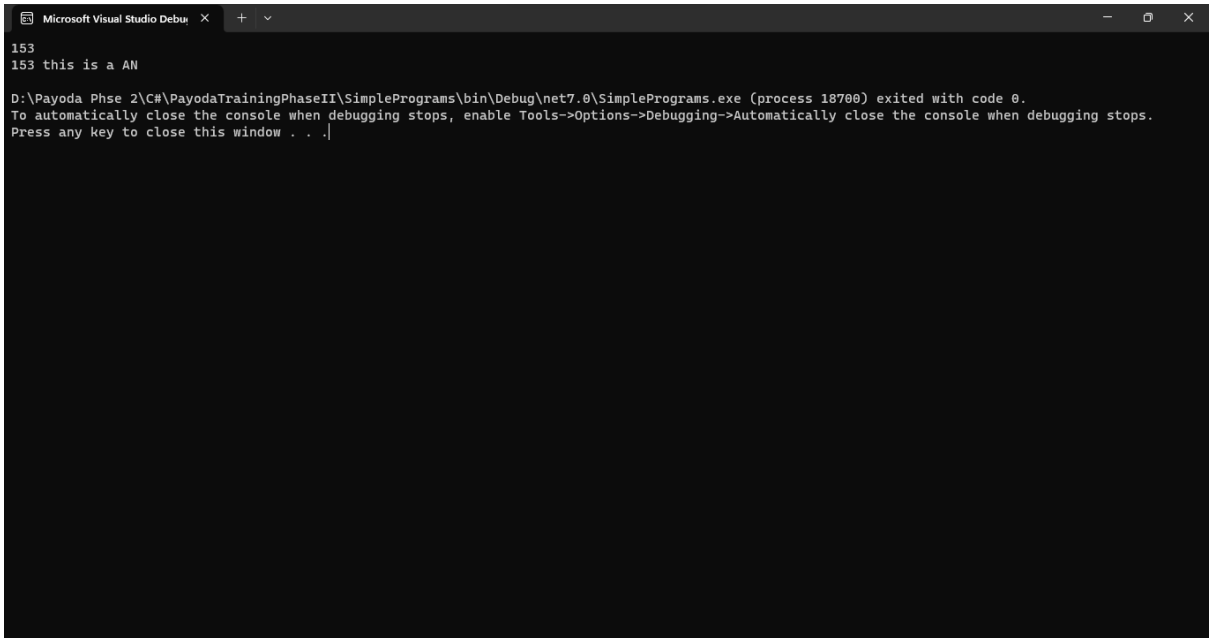


3)Armstrong Number

```
int num, sum = 0;
num=Convert.ToInt32(Console.ReadLine());
int temp = num;

while (num > 0)
{
    int rem = num % 10;
    sum += (rem * rem * rem);
    num /= 10;
}
Console.WriteLine(((sum == temp) ? ("{0} this is a AN") : ("{0} not an armstrong")),temp);
```

Output

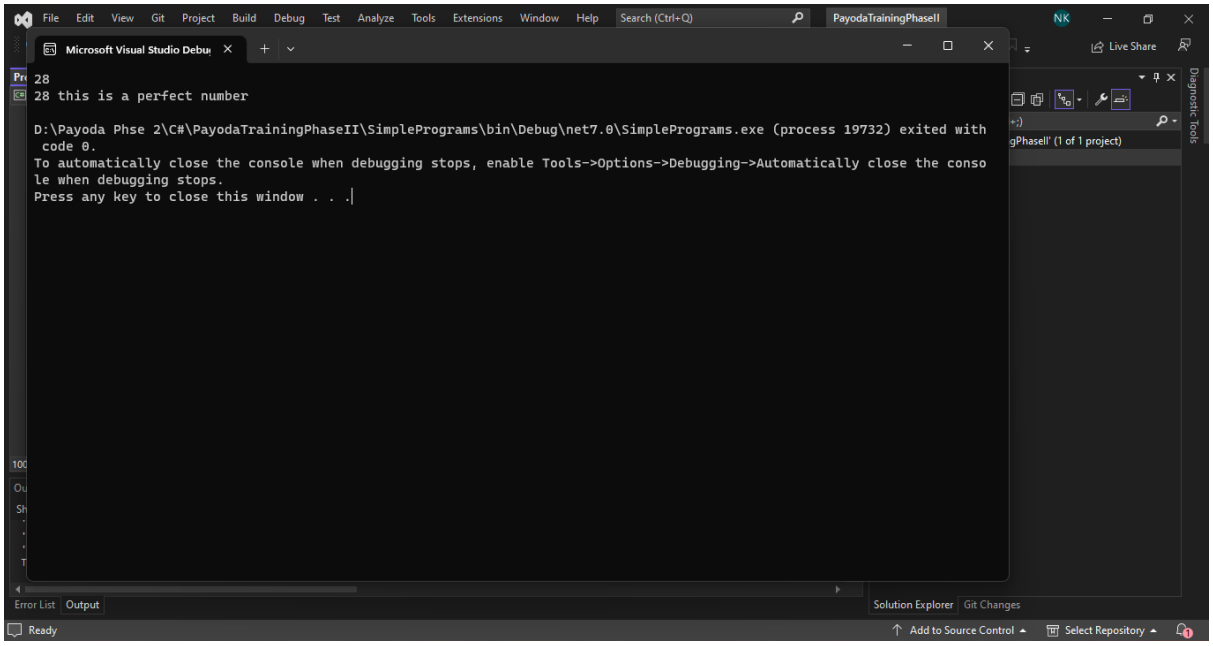


4)Perfect Number

```
int num, sum = 0;
num = Convert.ToInt32(Console.ReadLine());
int temp = num;
for (int i=1;i<num;i++)
{

    if (num%i == 0)
    {
        sum += i;
    }
}
Console.WriteLine(((sum == temp) ? ("{0} this is a perfect number") : ("{0} this is not a perfect number")), temp);
```

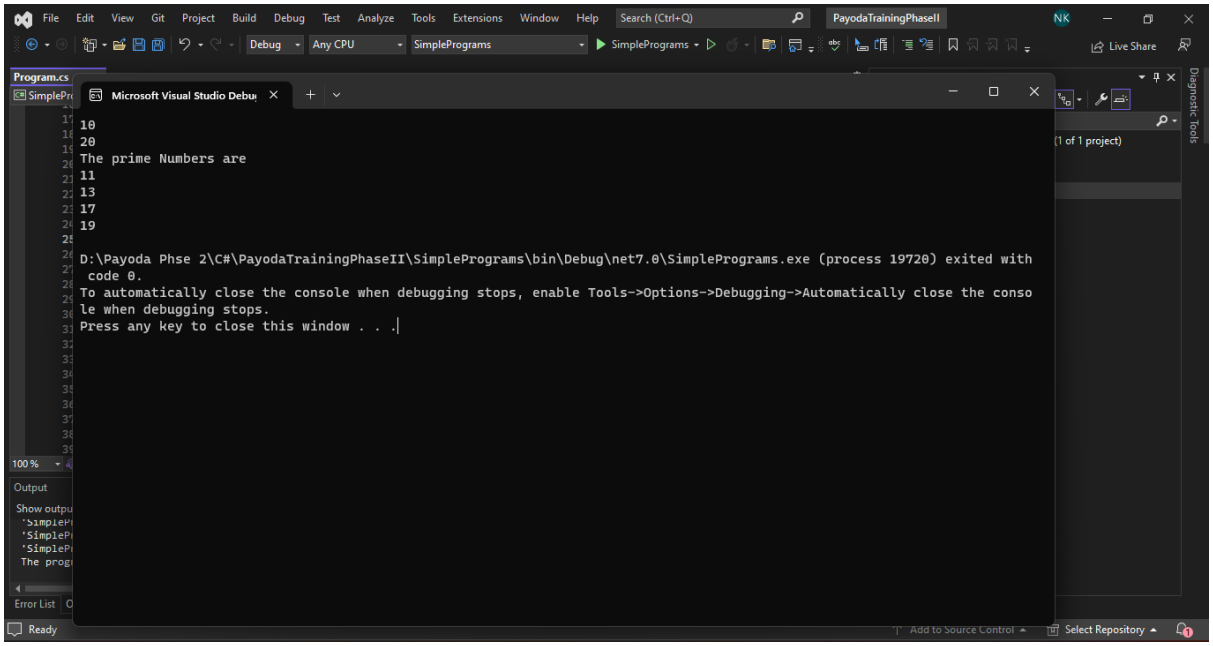
Output



5)Prime Number Between given Range

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

Output


Microsoft Visual Studio Debu
10
20
The prime Numbers are
11
13
17
19
D:\Payoda Phse 2\C#\PayodaTrainingPhaseII\SimplePrograms\bin\Debug\net7.0\SimplePrograms.exe (process 19720) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .