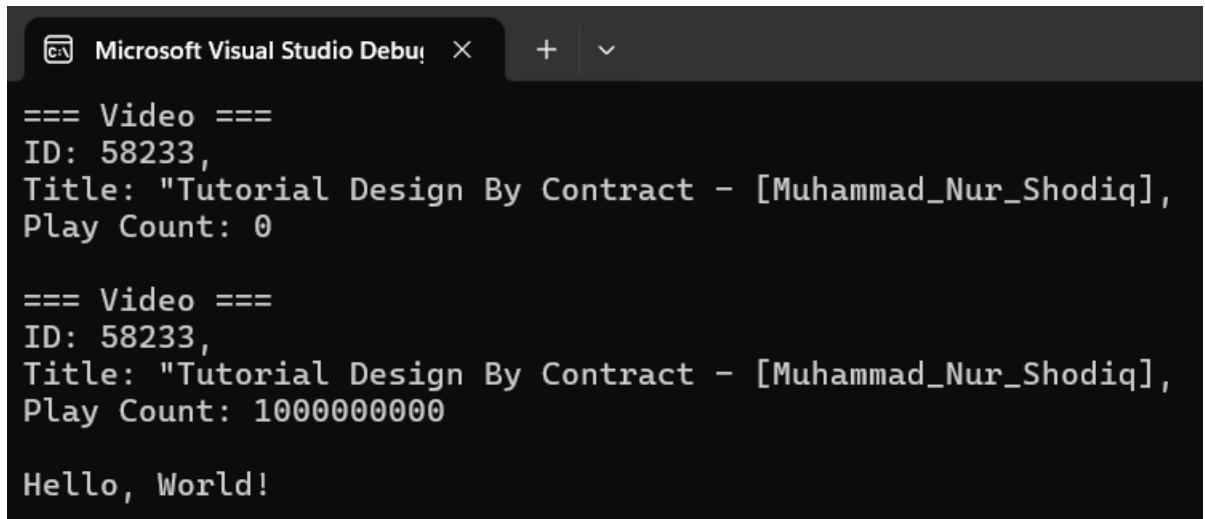


1. Link Github Repository

[MuhammadNurShodiq/tpmodul6_1302223054 \(github.com\)](https://github.com/MuhammadNurShodiq/tpmodul6_1302223054)

2. Hasil run



```
Microsoft Visual Studio Debug X + ▾

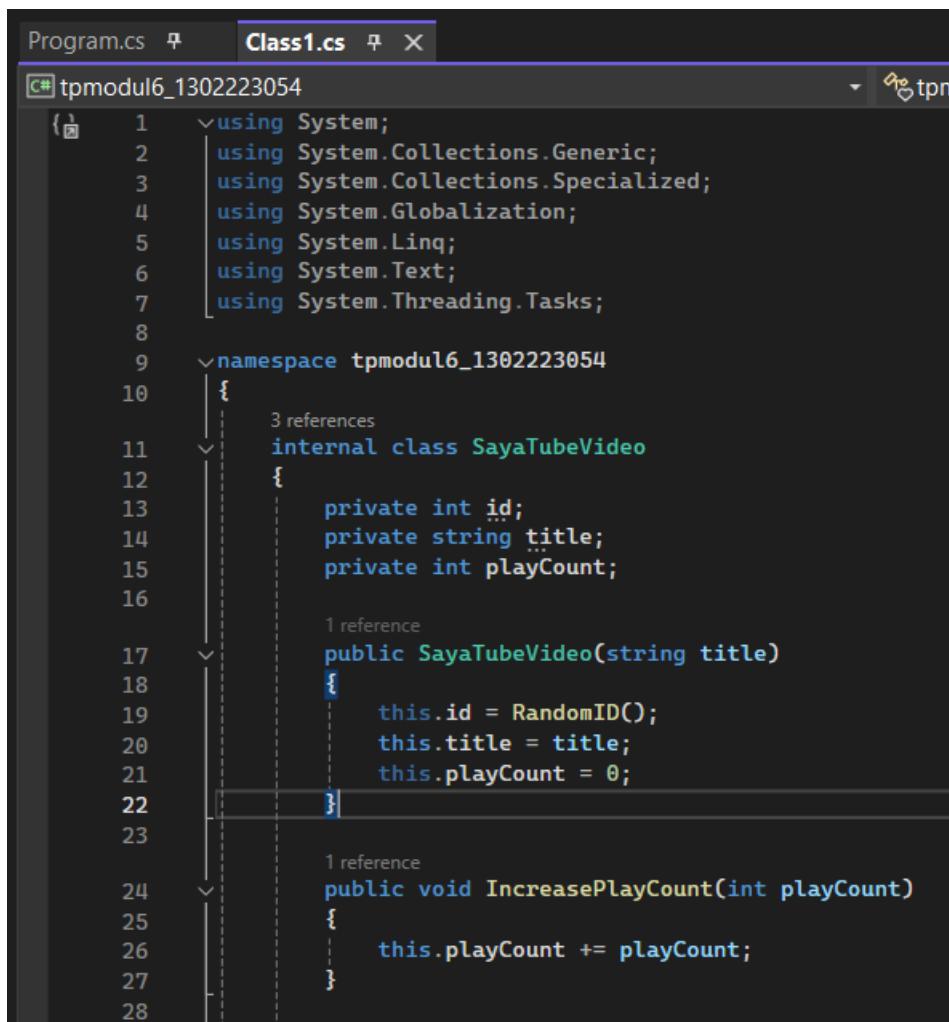
==== Video ====
ID: 58233,
Title: "Tutorial Design By Contract - [Muhammad_Nur_Shodiq],
Play Count: 0

==== Video ====
ID: 58233,
Title: "Tutorial Design By Contract - [Muhammad_Nur_Shodiq],
Play Count: 10000000000

Hello, World!
```

3. Penjelasan singkat

- Class SayaTubeVideo



```
Program.cs Class1.cs X
C# tpmodul6_1302223054 tpm

1  using System;
2  using System.Collections.Generic;
3  using System.Collections.Specialized;
4  using System.Globalization;
5  using System.Linq;
6  using System.Text;
7  using System.Threading.Tasks;
8
9  namespace tpmodul6_1302223054
10 {
11     internal class SayaTubeVideo
12     {
13         private int id;
14         private string title;
15         private int playCount;
16
17         public SayaTubeVideo(string title)
18         {
19             this.id = RandomID();
20             this.title = title;
21             this.playCount = 0;
22         }
23
24         public void IncreasePlayCount(int playCount)
25         {
26             this.playCount += playCount;
27         }
28     }
}
```

```
28
29     2 references
30     public void PrintVideoDetails()
31     {
32         Console.WriteLine("== Video ==");
33         Console.WriteLine($"ID: {id}, \nTitle: {title}, \nPlay Count: {playCount} \n");
34     }
35
36     1 reference
37     private int RandomID()
38     {
39         Random random = new Random();
40         return random.Next(10000, 99999);
41     }
42 }
```

- Penjelasan singkat

Disini kami membuat class SayaTubeVideo dengan atribut private id, title, playcount dan memanggil method tersebut dengan judul “Tutorial Design By Contract – [NAMA_PRAKTIKAN]”.

- Program.cs

```
Program.cs  Class1.cs
C# tpmodul6_1302223054
1    using tpmodul6_1302223054;
2
3    0 references
4    internal class Program
5    {
5        0 references
6        private static void Main(string[] args)
7        {
8            SayaTubeVideo video = new SayaTubeVideo("Tutorial Design By Contract - [Muhammad_Nur_Shodiq]");
9            video.PrintVideoDetails();
10
11            for (int i = 1; i <= 100; i++)
12            {
13                video.IncreasePlayCount(10000000);
14            }
15            video.PrintVideoDetails();
16            Console.WriteLine("Hello, World!");
17        }
18 }
```

- Penjelasan singkat

Pada program.cs kami menggunakan class SayaTubeVideo untuk mengimplementasikan design by contract