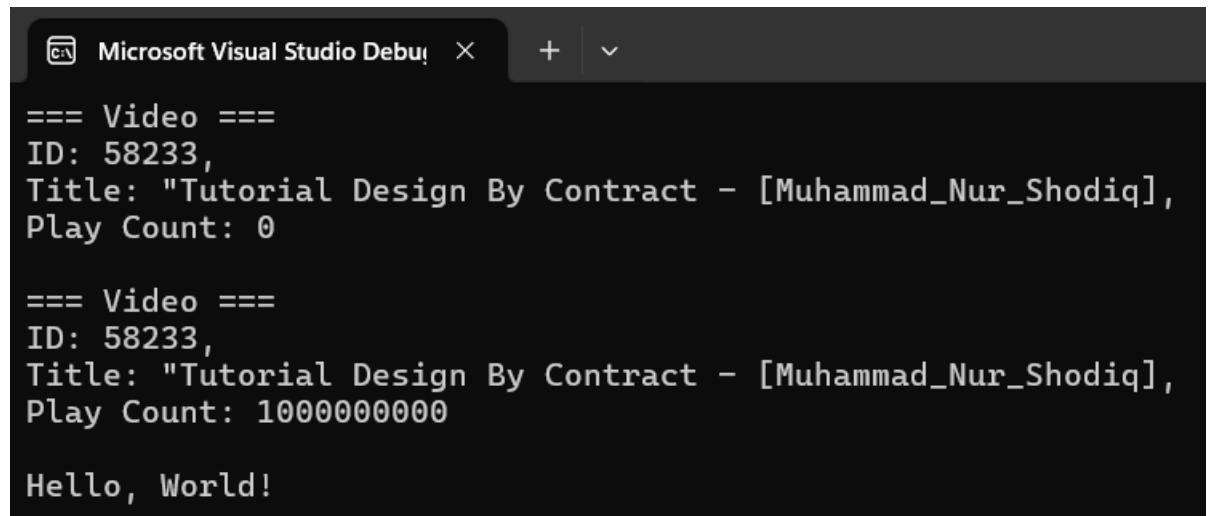


## 1. Link Github Repository

[MuhammadNurShodiq/tpmodul6\\_1302223054 \(github.com\)](https://github.com/MuhammadNurShodiq/tpmodul6_1302223054)

## 2. Hasil run



```
Microsoft Visual Studio Debug Console

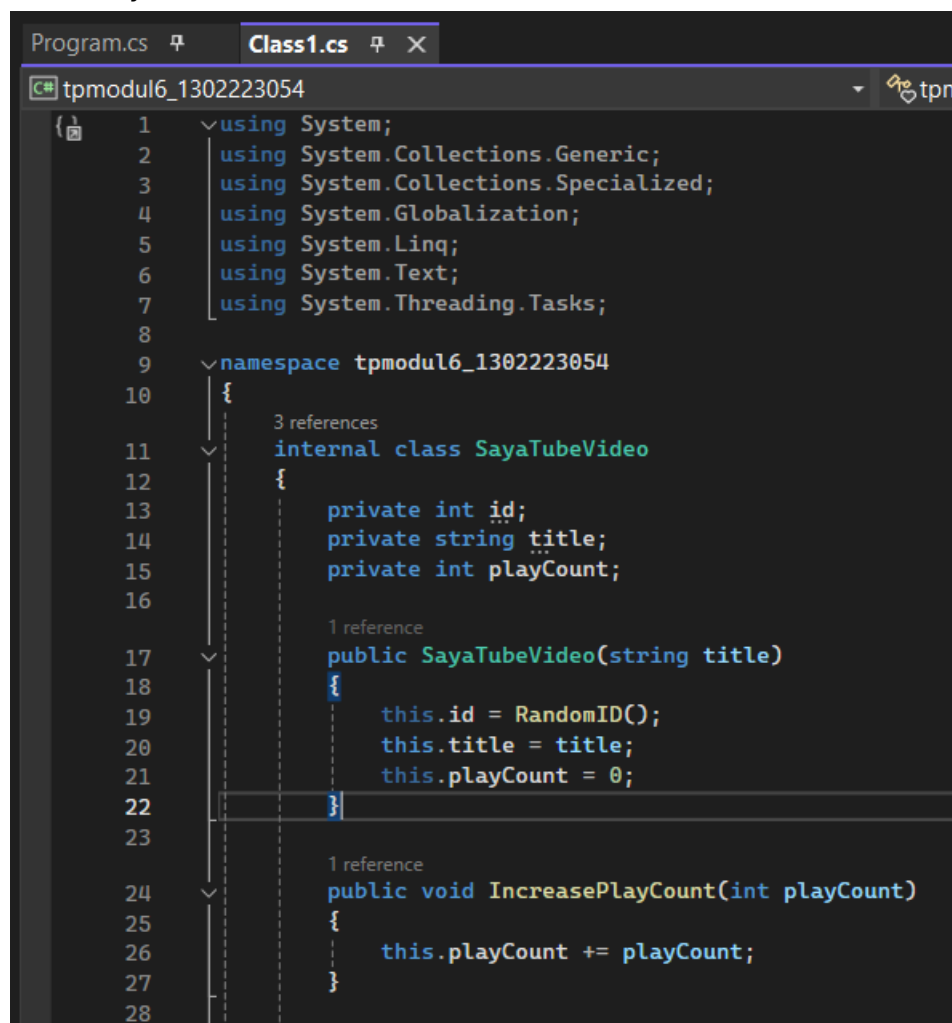
=== Video ===
ID: 58233,
Title: "Tutorial Design By Contract - [Muhammad_Nur_Shodiq],
Play Count: 0

=== Video ===
ID: 58233,
Title: "Tutorial Design By Contract - [Muhammad_Nur_Shodiq],
Play Count: 1000000000

Hello, World!
```

## 3. Penjelasan singkat

- Class SayaTubeVideo



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

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     3 references
12     internal class SayaTubeVideo
13     {
14         private int id;
15         private string title;
16         private int playCount;
17
18         1 reference
19         public SayaTubeVideo(string title)
20         {
21             this.id = RandomID();
22             this.title = title;
23             this.playCount = 0;
24         }
25
26         1 reference
27         public void IncreasePlayCount(int playCount)
28         {
29             this.playCount += playCount;
30         }
31     }
32 }
```

```
28
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2 references
public void PrintVideoDetails()
{
    Console.WriteLine("=== Video ===");
    Console.WriteLine($"ID: {id}, \nTitle: {title}, \nPlay Count: {playCount} \n");
}

1 reference
private int RandomID()
{
    Random random = new Random();
    return random.Next(10000, 99999);
}
```

- 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  x  Class1.cs
tpmodul6_1302223054  Program

1  using tpmodul6_1302223054;
2
3  0 references
4  internal class Program
5  {
6      0 references
7      private static void Main(string[] args)
8      {
9          SayaTubeVideo video = new SayaTubeVideo("Tutorial Design By Contract - [Muhammad_Nur_Shodiq]");
10         video.PrintVideoDetails();
11
12         for (int i = 1; i <= 100; i++)
13         {
14             video.IncreasePlayCount(10000000);
15         }
16         video.PrintVideoDetails();
17         Console.WriteLine("Hello, World!");
18     }
19 }
```

- Penjelasan singkat

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