

```
TPMOD06 Program Main(string[] args)
1 using TPMOD06;
2
3 0 references
4 ~internal class Program
5 {
6     0 references
7     private static void Main(string[] args)
8     {
9         SayaTubeVideo newVideo01 = new SayaTubeVideo("Tutorial Design By Contract - MUHAMMAD RIZKI");
10        newVideo01.IncreasePlayCount(1);
11        newVideo01.PrintVideoDetails();
12
13        Console.WriteLine(" ");
14        // CEK KONDISI
15        SayaTubeVideo newVideo02 = new SayaTubeVideo("");
16        newVideo02.IncreasePlayCount(10000000);
17        for (int i = 0; i <= 5; i++)
18        {
19            newVideo02.IncreasePlayCount(10000000);
20        }
21        newVideo02.PrintVideoDetails();
22    }
23 }

TPMOD06 TPMOD06.SayaTubeVideo SayaTubeVideo
1 namespace TPMOD06
2 {
3     5 references
4     internal class SayaTubeVideo
5     {
6         int ID;
7         string title;
8         int playCount;
9
10        2 references
11        public SayaTubeVideo(string title)
12        {
13            if (title != null && title.Length < 100)
14            {
15                this.title = title;
16            }
17            else
18            {
19                throw new ArgumentException("TITLE TIDAK BOLEH KOSONG DAN PANJANG KURANG DARI 100 KATA");
20            }
21            this.ID = generateRandomID();
22            this.playCount = 0;
23        }
24
25        1 reference
26        private int generateRandomID()
27        {
28            Random random = new Random();
29            return random.Next(00000, 99999);
30        }
31
32        3 references
33        public void IncreasePlayCount(int newPlayCount)
34        {
35            try
36            {
37                checked
38                {
39                    if (newPlayCount >= 0 && newPlayCount <= 10000000)
40                    {
41                        playCount += newPlayCount;
42                    }
43                }
44            }
45            catch (Exception ArgumentOutOfRangeException)
46            {
47                Console.WriteLine(ArgumentOutOfRangeException.Message);
48            }
49        }
50
51        2 references
52        public void PrintVideoDetails()
53        {
54            Console.WriteLine("Video ID: " + this.ID);
55            Console.WriteLine("Video Title: " + this.title);
56            Console.WriteLine("Play Count: " + this.playCount);
57        }
58    }
59 }
```

```
Microsoft Visual Studio Debug Console
Video ID: 22817
Video Title: Tutorial Design By Contract - MUHAMMAD RIZKI
Play Count: 1

Specified argument was out of the range of valid values.
Specified argument was out of the range of valid values.
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Specified argument was out of the range of valid values.
Specified argument was out of the range of valid values.
Specified argument was out of the range of valid values.
Specified argument was out of the range of valid values.
Video ID: 79921
Video Title:
Play Count: 0

C:\Users\mrizk\Documents\Rizki\Tugas\Semester 4\KPL\TPKPL06\TPMOD06\TPMOD06\bin\Debug\net8.0\TPMOD06.exe (process 27404)
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 . . .|
```

[faizrizki/TPMOD06 \(github.com\)](https://github.com/faizrizki/TPMOD06)