

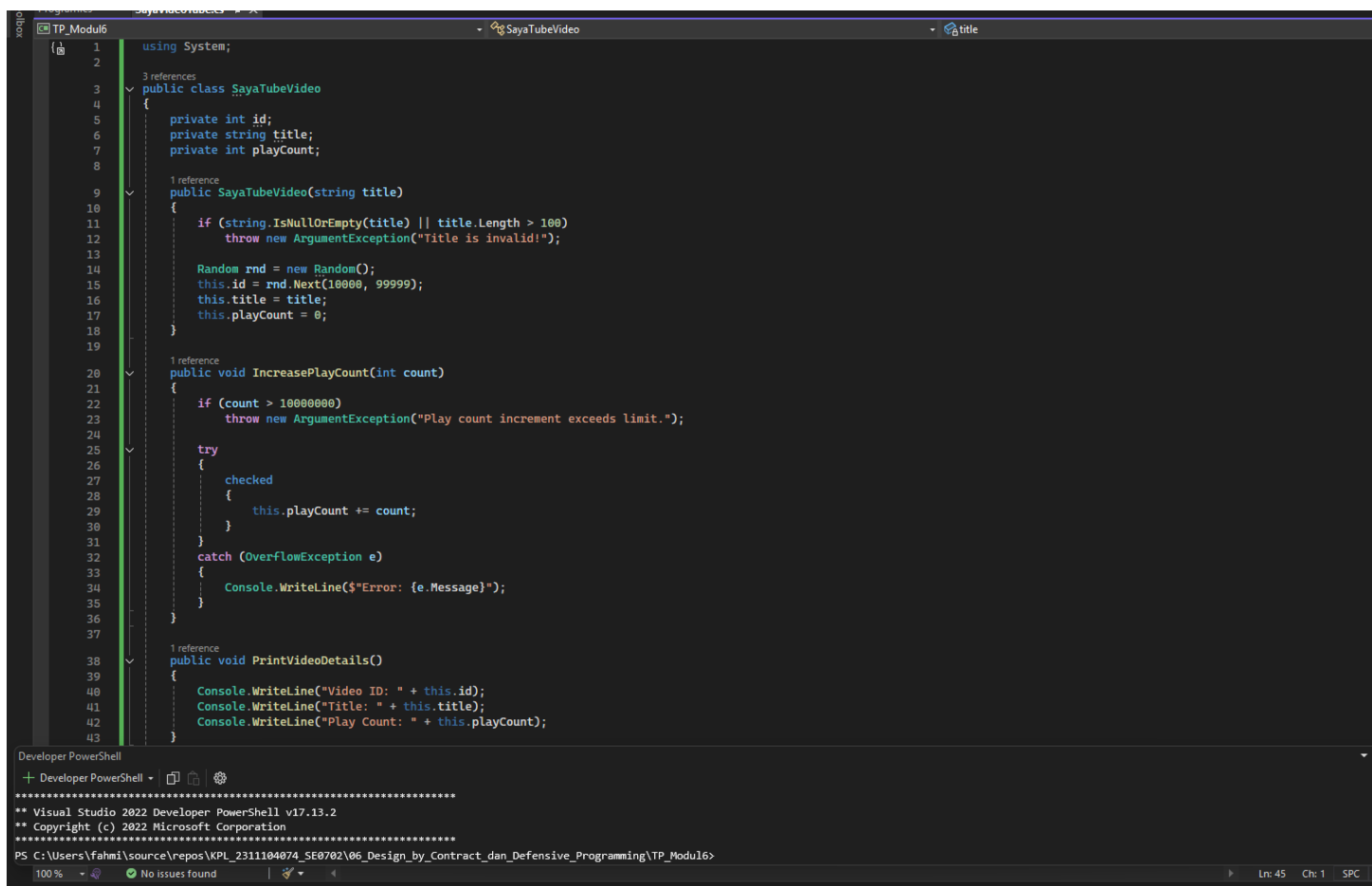
TP MODUL 6

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Buat repo baru Bernama tp_modul_6

Menambahkan Kelas SayaTubeVideo



```
1 using System;
2
3 public class SayaTubeVideo
4 {
5     private int id;
6     private string title;
7     private int playCount;
8
9     public SayaTubeVideo(string title)
10    {
11        if (string.IsNullOrEmpty(title) || title.Length > 100)
12            throw new ArgumentException("Title is invalid!");
13
14        Random rnd = new Random();
15        this.id = rnd.Next(10000, 99999);
16        this.title = title;
17        this.playCount = 0;
18    }
19
20    public void IncreasePlayCount(int count)
21    {
22        if (count > 100000000)
23            throw new ArgumentException("Play count increment exceeds limit.");
24
25        try
26        {
27            checked
28            {
29                this.playCount += count;
30            }
31        }
32        catch (OverflowException e)
33        {
34            Console.WriteLine($"Error: {e.Message}");
35        }
36    }
37
38    public void PrintVideoDetails()
39    {
40        Console.WriteLine("Video ID: " + this.id);
41        Console.WriteLine("Title: " + this.title);
42        Console.WriteLine("Play Count: " + this.playCount);
43    }
44 }
```

Developer PowerShell

```
+ Developer PowerShell
** Visual Studio 2022 Developer PowerShell v17.13.2
** Copyright (c) 2022 Microsoft Corporation
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\06_Design_by_Contract_dan_Defensive_Programming\TP_Modul6>
```

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Menambahkan Program.cs(Kelas Main)

```
Program.cs x SayaVideoTube.cs
TP_Modul6 Program Main(string[] args)

0 references
class Program
{
    0 references
    static void Main(string[] args)
    {
        SayaTubeVideo video = new SayaTubeVideo("Tutorial Design By Contract - Fahmi hasan asagaf");

        for (int i = 0; i < 100000; i++)
        {
            video.IncreasePlayCount(100000); // Uji overflow
        }

        video.PrintVideoDetails();
    }
}
```

OUTPUT

[illegible]