

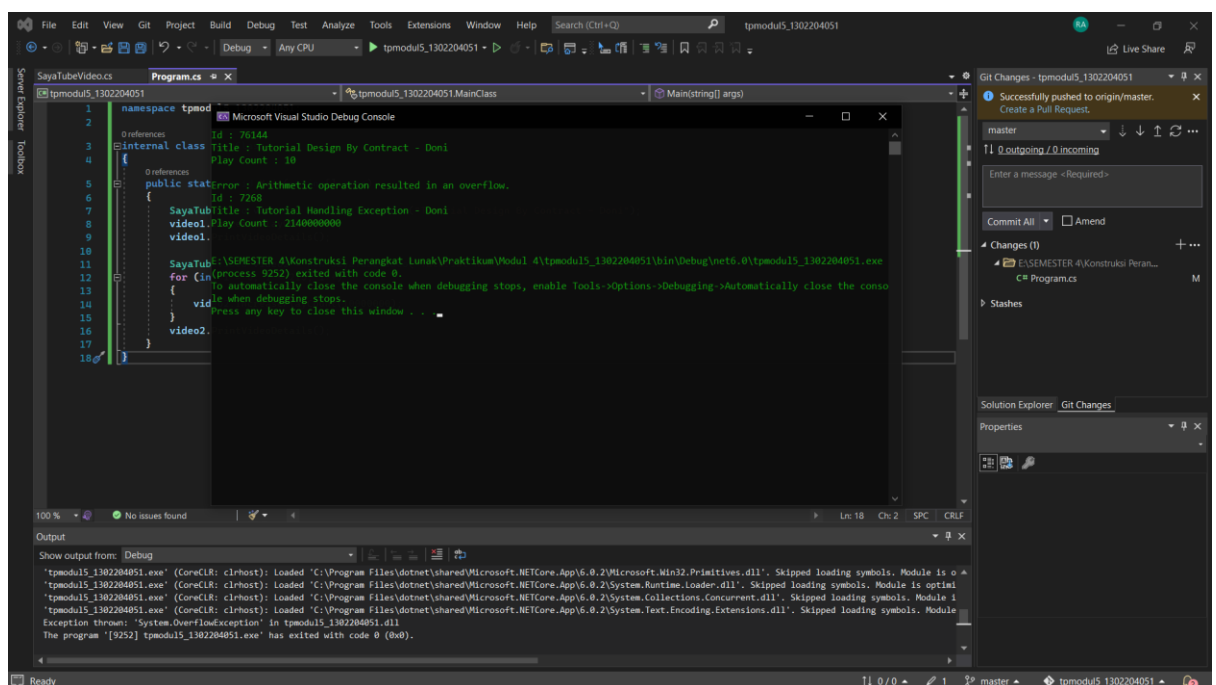
Kelas : SE-44-01

TP KPL Modul 5

1. Link Repository
<https://github.com/RevDonz/tp-kpl-5>

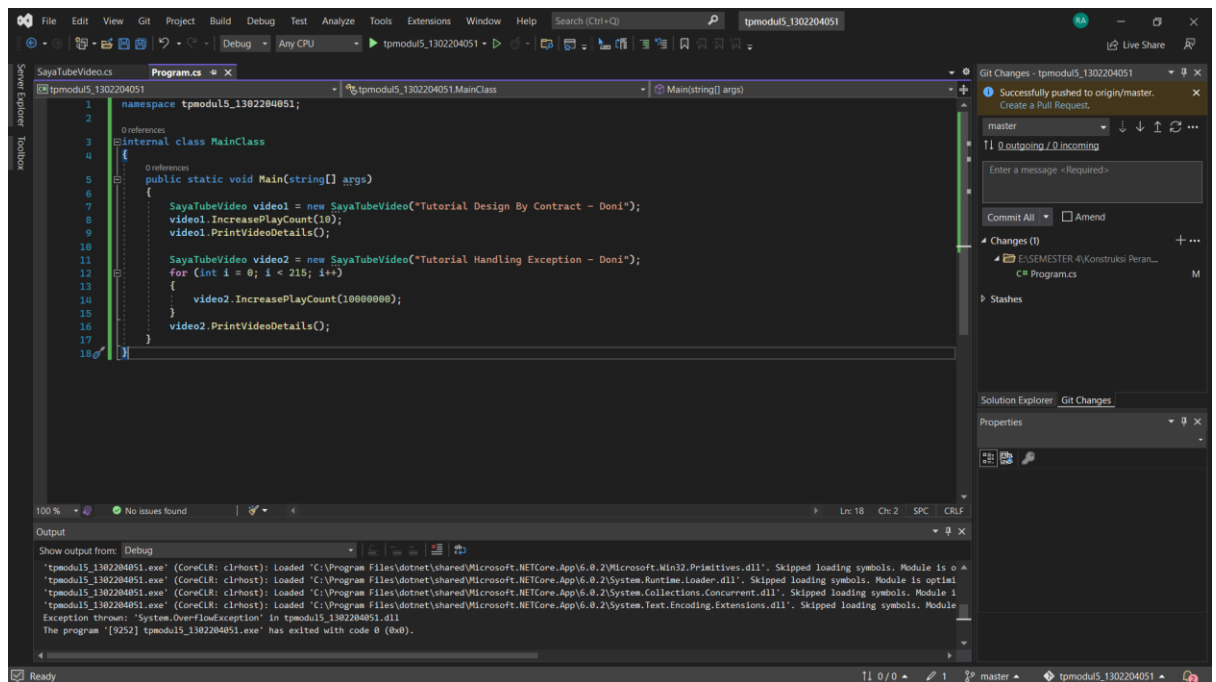
- ## 2. Screenshot

Program Ketika baru dijalankan :



Program menampilkan error Exception karena Play Count sudah Overflow

Main Class :



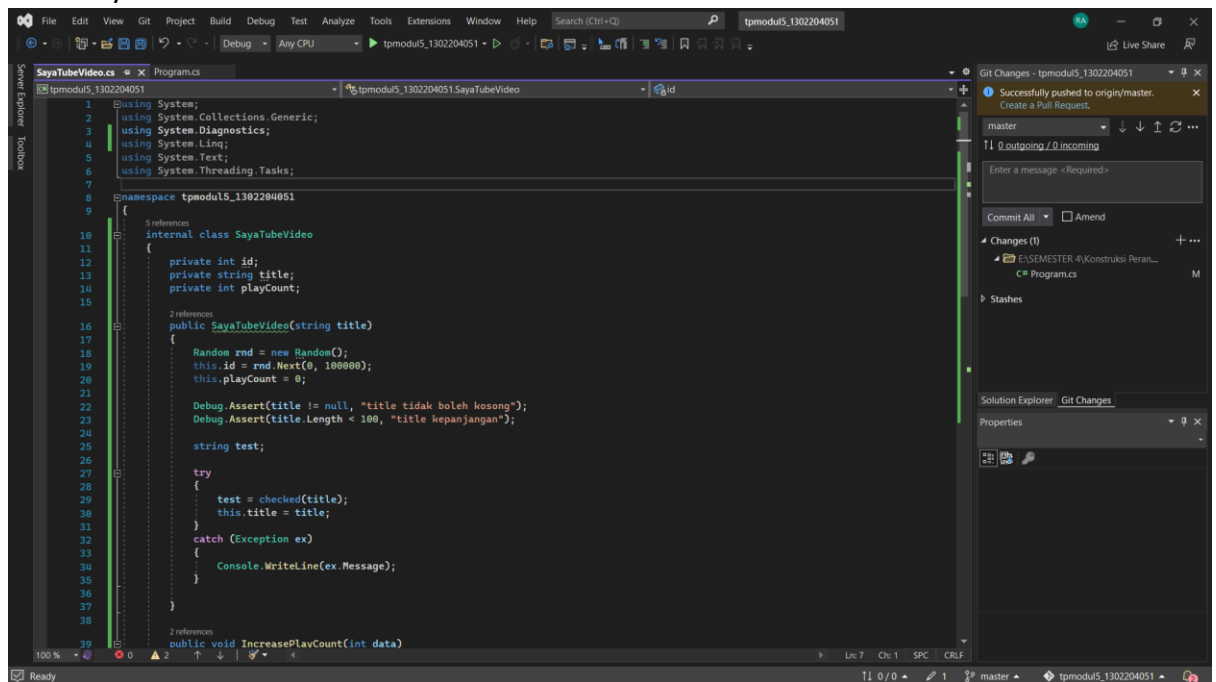
```
1 namespace tpmodul5_1302204051;
2
3 internal class MainClass
4 {
5     public static void Main(string[] args)
6     {
7         SayaTubeVideo video1 = new SayaTubeVideo("Tutorial Design By Contract - Domi");
8         video1.IncreasePlayCount(10);
9         video1.PrintVideoDetails();
10
11         SayaTubeVideo video2 = new SayaTubeVideo("Tutorial Handling Exception - Domi");
12         for (int i = 0; i < 215; i++)
13         {
14             video2.IncreasePlayCount(10000000);
15         }
16         video2.PrintVideoDetails();
17     }
18 }
```

Output

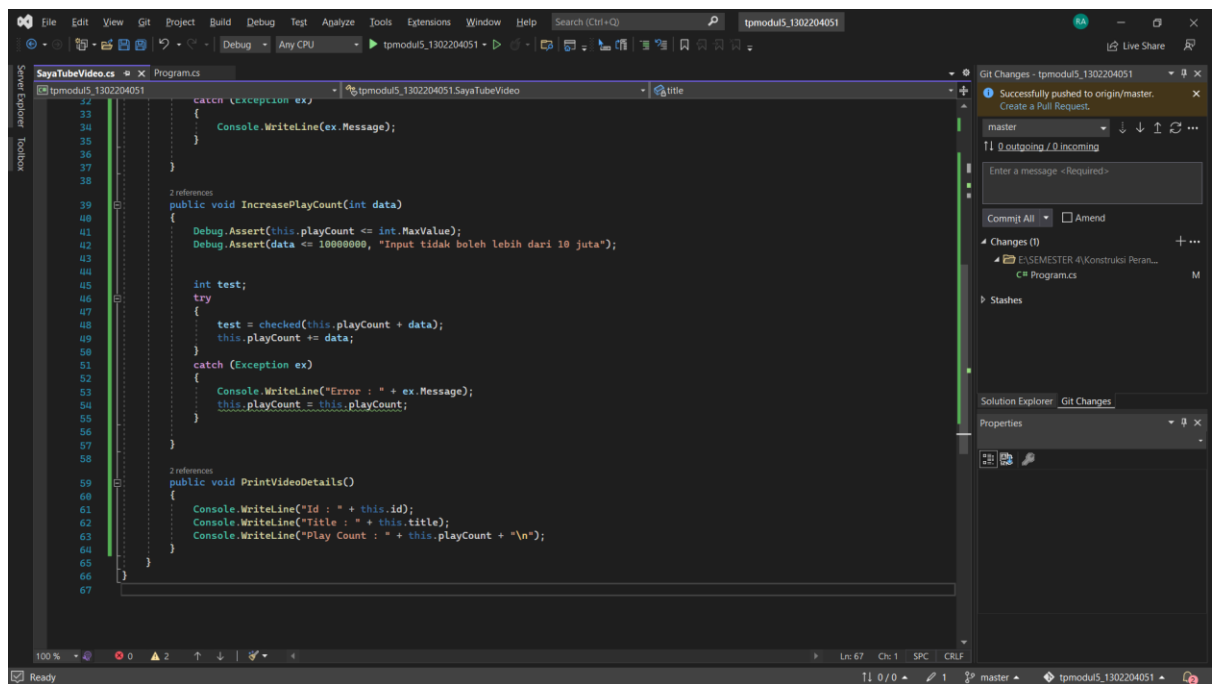
```
Show output from: Debug
'tpmodul5_1302204051.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\6.0.2\Microsoft.Wia32.Primitives.dll'. Skipped loading symbols. Module is o
'tpmodul5_1302204051.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\6.0.2\System.Runtime.Loader.dll'. Skipped loading symbols. Module is opti
'tpmodul5_1302204051.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\6.0.2\System.Collections.Concurrent.dll'. Skipped loading symbols. Module i
'tpmodul5_1302204051.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\6.0.2\System.Text.Encoding.Extensions.dll'. Skipped loading symbols. Module i
Exception thrown: 'System.OverflowException' in tpmodul5_1302204051.dll
The program '[9252] tpmodul5_1302204051.exe' has exited with code 0 (0x0).
```

Di Main Class ada pembuatan objek dan penambahan data, untuk objek video2 di penambahan data menggunakan for loop untuk mempercepat menemukan contoh error overflow

Class SayaTubeVideo :



```
1 using System;
2 using System.Collections.Generic;
3 using System.Diagnostics;
4 using System.Linq;
5 using System.Text;
6 using System.Threading.Tasks;
7
8 namespace tpmodul5_1302204051
9 {
10     internal class SayaTubeVideo
11     {
12         private int id;
13         private string title;
14         private int playCount;
15
16         public SayaTubeVideo(string title)
17         {
18             Random rnd = new Random();
19             this.id = rnd.Next(0, 1000000);
20             this.playCount = 0;
21
22             Debug.Assert(title != null, "title tidak boleh kosong");
23             Debug.Assert(title.Length < 180, "title kepanjangan");
24
25             string test;
26
27             try
28             {
29                 test = checked(title);
30                 this.title = title;
31             }
32             catch (Exception ex)
33             {
34                 Console.WriteLine(ex.Message);
35             }
36
37         }
38
39         public void IncreasePlayCount(int data)
```



Pembuatan class dan pengetesan Assertion.