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```
namespace Jurnal_MOD_06_1302210024
{
    25 references
    internal class SayaTubeVideo
    {
        private int id;
        public string title;
        private int playCount;

        10 references
        public SayaTubeVideo(String title)
        {
            if (title == null || title == "")
            {
                throw new ArgumentNullException("Judul Video Tidak Boleh Kosong");
            }

            if (title.Length > 200)
            {
                throw new ArgumentNullException("Judul Video Tidak Boleh Lebih Dari 200 Karakter");
            }

            this.id = new Random().Next(10000);
            this.title = title;
            this.playCount = 0;
        }
    }
}
```

Potongan codingan tersebut untuk memberi tahu jika huruf maksimal untuk title tidak boleh lebih dari 200 huruf dan tidak boleh kosong

```
public void IncreasePlayCount(int playCount)
{
    if (playCount < 0 || playCount > 25000000)
    {
        throw new ArgumentOutOfRangeException("Input Tidak Boleh Kosong/Lebih Dari 25.000.000");
    }

    try
    {
        checked
        {
            this.playCount += playCount;
        }
    }
    catch (OverflowException e)
    {
        Console.WriteLine("Error " + e.Message);
    }
}
```

Potongan codingan tersebut untuk menghitung jumlah playcount dan tidak boleh lebih dari 25.000.000

```

2 references
public int GetPLAYCount()
{
    return this.playCount;
}

10 references
public void PrintVideoDetails()
{
    Console.WriteLine("Film Berjudul : " + title);
    Console.WriteLine("ID Film : " + id);
    Console.WriteLine("Diputar Sebanyak : " + playCount + " Kali");
    Console.WriteLine(" ");
}
}

```

Potongan codingan tersebut untuk mengeluarkan output info tentang film nya dan playcount film nya

```

namespace Jurnal_MOD_06_1302210024
{
    3 references
    internal class SayaTubeUser
    {
        private int ID;
        private List<SayaTubeVideo> uploadedVideos;
        public string Username;

        1 reference
        public SayaTubeUser(string Username)
        {
            if (Username == null || Username == "")
            {
                throw new ArgumentNullException("Username Harus Diisi");
            }

            if (Username.Length > 100)
            {
                throw new ArgumentNullException("Username Tidak Boleh Lebih Dari 100 Karakter");
            }

            this.ID = 0;
            this.Username = Username;
            this.uploadedVideos = new List<SayaTubeVideo>();
        }
    }
}

```

Potongan codingan tersebut untuk memberi tahu huruf maksimal untuk user tidak boleh lebih dari 100 dan tidak boleh kosong

```
1 reference
public int GetTotalVideoPlayCount()
{
    int totalVideoPlayCount = 0;
    foreach(SayaTubeVideo video in uploadedVideos)
    {
        totalVideoPlayCount+= video.GetPlayCount();
    }
    return totalVideoPlayCount;
}
```

Potongan codingan tersebut untuk menghitung total seluruh play count

```

10 references
public void AddVideo(SayaTubeVideo video)
{
    this.uploadedVideos.Add(video);
}

1 reference
public void PrintAllVideoPlayCount()
{
    for (int i = 0; i < uploadedVideos.Count; i++)
    {
        Console.WriteLine("Review Film " + (i+1) + " Judul : " + uploadedVideos[i].title +
            " Play Count : " + uploadedVideos[i].GetPLAYCount());
    }
    Console.WriteLine("");
    Console.WriteLine("Oleh User : " + Username);
}
}

```

Potongan codingan berikut untuk mengeluarkan output yang memberikan info dari video yang direview oleh user

```
00_1302210024 Program Main(string[])
using Jurnal_MOD_06_1302210024;

0 references
class Program
{
    0 references
    static void Main(string[] args)
    {
        try
        {
            //1
            SayaTubeVideo Video = new SayaTubeVideo("The Perks of Being A Wallflower");
            Video.IncreasePlayCount(10);
            Video.PrintVideoDetails();

            //2
            SayaTubeVideo Video2 = new SayaTubeVideo("The Breakfast Club");
            Video2.IncreasePlayCount(5);
            Video2.PrintVideoDetails();

            //3
            SayaTubeVideo Video3 = new SayaTubeVideo("School of Rock");
            Video3.IncreasePlayCount(1);
            Video3.PrintVideoDetails();
```

```
            //4
            SayaTubeVideo Video4 = new SayaTubeVideo("The Fault in Our Stars");
            Video4.IncreasePlayCount(20);
            Video4.PrintVideoDetails();

            //5
            SayaTubeVideo Video5 = new SayaTubeVideo("King of Carrot Flower Pt.1");
            Video5.IncreasePlayCount(15);
            Video5.PrintVideoDetails();

            //6
            SayaTubeVideo Video6 = new SayaTubeVideo("King of Carrot Flower Pt.2");
            Video6.IncreasePlayCount(1
            Video6.PrintVideoDetails()
            readonly struct System.Int32
            Represents a 32-bit signed integer.

            //7
            SayaTubeVideo Video7 = new SayaTubeVideo("King of Carrot Flower Pt.3");
            Video7.IncreasePlayCount(15);
            Video7.PrintVideoDetails();

            //8
            SayaTubeVideo Video8 = new SayaTubeVideo("Overlord");
            Video8.IncreasePlayCount(2);
            Video8.PrintVideoDetails();
```

```
//9
SayaTubeVideo Video9 = new SayaTubeVideo("Death by Dignity");
Video9.IncreasePlayCount(10);
Video9.PrintVideoDetails();

//10
SayaTubeVideo Video10 = new SayaTubeVideo("Call Me By Your Name");
Video10.IncreasePlayCount(100);
Video10.PrintVideoDetails();

Console.WriteLine(" ");

SayaTubeUser user = new SayaTubeUser("Habli");
```

```
        user.AddVideo(Video);
        user.AddVideo(Video2);
        user.AddVideo(Video3);
        user.AddVideo(Video4);
        user.AddVideo(Video5);
        user.AddVideo(Video6);
        user.AddVideo(Video7);
        user.AddVideo(Video8);
        user.AddVideo(Video9);
        user.AddVideo(Video10);
        user.PrintAllVideoPlayCount();
        Console.WriteLine("Total Play Count Semua Film : " + user.GetTotalVideoPlayCount());
    }
    catch(Exception e)
    {
        Console.WriteLine(e.Message);
    }
}
```

Berikut implementasi function2 yang telah dibuat diatas