



Program.cs

```
using System;
```

```
class Program
```

```
{
    static void Main(string[] args)
    {
        SayaTubeVideo objV = new SayaTubeVideo("Little Women");
        int itr = 1;
        for(int i = 0; i < itr; i++)
        {
            objV.IncreasePlayCount(200000);
        }
        objV.PrintVideoDetails();

        SayaTubeUser objU = new SayaTubeUser("Farah");
        objU.AddVideo(objV);

        SayaTubeVideo objr = new SayaTubeVideo("ABC");
        objU.AddVideo(objr);

        SayaTubeVideo objV2 = new SayaTubeVideo("DEF");
        objV2.IncreasePlayCount(20);

        objU.AddVideo(objV2);

        objU.AddVideo(new SayaTubeVideo("GEF"));
        objU.AddVideo(new SayaTubeVideo("Marvel"));
        objU.AddVideo(new SayaTubeVideo("Spongebob"));
        objU.AddVideo(new SayaTubeVideo("afafewwetg"));
        objU.AddVideo(new SayaTubeVideo("yedyedydy"));
        objU.AddVideo(new SayaTubeVideo("uioiuupu"));
    }
}
```

```

        Console.WriteLine("Jumlah Count Semua Video: " +
objU.GetTotalVideoPlayCount());
    }
    objU.GetTotalVideoPlayCount();
}

```

SayaTubeUser.cs

```

using System;
using System.Diagnostics;

public class SayaTubeUser
{
    private int id;
    private List<SayaTubeVideo> uploadedVideos;
    public string usn;
    public SayaTubeUser(string Username)
    {
        Debug.Assert(Username != null);
        Debug.Assert(Username.Length < 101);
        usn = Username;
        uploadedVideos = new List<SayaTubeVideo>();
    }

    public int GetTotalVideoPlayCount()
    {
        int count = 0;
        foreach(SayaTubeVideo video in uploadedVideos)
        {
            count += video.GetPlayCount() ;
        }
        return count;
    }

    public void AddVideo(SayaTubeVideo upv)
    {
        Debug.Assert(upv != null);
        Debug.Assert(upv.GetPlayCount() < 100000000);
        uploadedVideos.Add(upv);
    }

    public void PrintAllVideoPlayCount()
    {
        for(int i = 0; i < uploadedVideos.Count || i < 8; i++)
        {
            Console.WriteLine("Video " + (i++) + "judul: " +
uploadedVideos[i].ttl + uploadedVideos[i].GetPlayCount());
        }
    }
}

```

SayaTubeVideo.cs

```

using System;
using System.Diagnostics;

```

```

public class SayaTubeVideo
{
    private int id;
    public string ttl;
    private int playCount;
    public SayaTubeVideo(string title)
    {
        Debug.Assert(title != null);
        Debug.Assert(title.Length < 201);
        ttl = title;
        playCount = 0;
        Random generator = new Random();
        id = generator.Next(10000, 99999);
    }

    public int GetPlayCount()
    {
        return playCount;
    }

    public void IncreasePlayCount(int PC)
    {
        Debug.Assert(PC < 250000000);
        Debug.Assert(PC > 0);
        int uc;
        try
        {
            uc = checked(playCount + PC);
        }
        catch
        {
            Console.WriteLine("PlayCount melebihi kapasitas dan tidak
ter-update");
            uc = playCount;
        }
        playCount = uc;
    }

    public void PrintVideoDetails()
    {
        Console.Write("ID: " + id);
        Console.WriteLine(" ");
        Console.Write("Title: " + ttl);
        Console.WriteLine(" ");
        Console.Write("Jumlah putar: " + playCount);
    }
}

```

Github

<https://github.com/faraamalia/JURNALMOD6>