Kelvin Ferdinan_2311104009

https://github.com/mispipin/KPL_Kelvin-Ferdinan_2311104009_s1se0701

```
06_DBC > TP > JS SayaTubeVideo.js > [@] video
1   class SayaTubeVideo {
2       constructor(title) {
3           if (typeof title !== 'string' || title.length === 0 || title.length > 100) {
4               throw new Error("Title must be a non-empty string with a maximum length of 100 characters.");
5           }
6           this.id = Math.floor(10000 + Math.random() * 90000);
7           this.title = title;
8           this.playCount = 0;
9       }
10
11      IncreasePlayCount(count) {
12          if (typeof count !== 'number' || count <= 0 || count > 10000000) {
13              throw new Error("Play count increment must be between 1 and 10,000,000.");
14          }
15          try {
16              let newPlayCount = this.playCount + count;
17              if (newPlayCount > Number.MAX_SAFE_INTEGER) {
18                  throw new Error("Play count overflow detected.");
19              }
20              this.playCount = newPlayCount;
21          } catch (error) {
22              console.error("Error:", error.message);
23          }
24      }
25
26      PrintVideoDetails() {
27          console.log(`Video ID: ${this.id}`);
28          console.log(`Title: ${this.title}`);
29          console.log(`Play Count: ${this.playCount}`);
30      }
31  }
32
33  try {
34      const video = new SayaTubeVideo("Tutorial Design By Contract – [Kelvin Ferdinan]");
35
36      for (let i = 0; i < 1000; i++) {
37          video.IncreasePlayCount(10000000);
38      }
39
40      video.PrintVideoDetails();
41  } catch (error) {
42      console.error("Error:", error.message);
43  }
```

Output:

```
[Running] node "c:\Users\LEGION\OneDrive - Telkom University\s
Video ID: 60506
Title: Tutorial Design By Contract – [Kelvin Ferdinan]
Play Count: 10000000000
```