

Link GitHub repository

https://github.com/IsabelleArd/KPL_ISABELLE-PUTRI-ARDINI_2311104030_SE0701/tree/master/06_Generics

Class SayaTubeVideo.js

```
class SayaTubeVideo {
  constructor(title) {
    if (!title || title.length > 100) {
      throw new Error("Judul tidak boleh kosong dan maksimal 100 karakter.");
    }
    this.id = Math.floor(10000 + Math.random() * 90000); // Generate ID 5 digit
    this.title = title;
    this.playCount = 0;
  }

  IncreasePlayCount(count) {
    if (count < 0 || count > 25000000) {
      throw new Error("Play count harus antara 0 dan 25.000.000.");
    }
    this.playCount += count;
  }

  PrintVideoDetails() {
    console.log(`ID: ${this.id}`);
    console.log(`Title: ${this.title}`);
    console.log(`Play Count: ${this.playCount}`);
  }
}

// Panggil method utama
const video = new SayaTubeVideo("Tutorial Design By Contract - Isabelle Putri Ardini");
video.IncreasePlayCount(5000);
video.PrintVideoDetails();
```

- Kelas tersebut digunakan untuk menampilkan ID, judul, dan play count dari suatu video.
- constructor(title) = Menerima judul video, menghasilkan ID acak 5 digit, dan menginisialisasi 'playCount' dengan 0.
- IncreasePlayCount(count) = Menambah jumlah play count dengan validasi batas maks.
- PrintVideoDetails() = Mencetak detail video (ID, judul, dan jumlah play count).

Output

```
ID: 62652
Title: Tutorial Design By Contract - Isabelle Putri Ardini
Play Count: 5000
```