PEMROGRAMAN BERORIENTASI OBJEK

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PS D-III TEKNIK INFORMATIKA
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Input

```php
1    <?php
2
     9 references | 0 implementations
3    class JustinBieberAlbum {
4        // Static properties
         2 references
5        public static $totalAlbums = 0;
         2 references
6        public static $totalDuration = 0; // menit
7
8        // Instance properties
         2 references
9        private $title;
         3 references
10       private $duration; // menit
11
         3 references | 0 overrides
12       public function __construct($title, $duration) {
13           $this->title = $title;
14           $this->duration = $duration;
15           self::$totalAlbums++;
16           self::$totalDuration += $this->duration;
17       }
18
         1 reference | 0 overrides
19       public static function getTotalAlbums() {
20           return self::$totalAlbums;
21       }
22
         1 reference | 0 overrides
23       public static function getTotalDuration() {
24           return self::$totalDuration;
25       }
26
         3 references | 0 overrides
27       public function getAlbumDetails() {
28           return "Title: " . $this->title . " Duration: " . $this->duration . " minutes <br>";
29       }
30   }
31
32   $album1 = new JustinBieberAlbum("Believe", 60);
33   $album2 = new JustinBieberAlbum("Purpose", 45);
34   $album3 = new JustinBieberAlbum("Changes", 50);
35
36   echo $album1->getAlbumDetails() . PHP_EOL;
37   echo $album2->getAlbumDetails() . PHP_EOL;
38   echo $album3->getAlbumDetails() . PHP_EOL;
39
40   echo "Total Albums: " . JustinBieberAlbum::getTotalAlbums() . PHP_EOL;
41   echo "Total Duration of all albums: " . JustinBieberAlbum::getTotalDuration() . " minutes" . PHP_EOL;
42   ?>
```

Output

Title: Believe Duration: 60 minutes
Title: Purpose Duration: 45 minutes
Title: Changes Duration: 50 minutes
Total Albums: 3 Total Duration of all albums: 155 minutes

1. **$album1->getAlbumDetails()**:
   Output: **Title: Believe, Duration: 60 minutes**
   Metode ini mengembalikan detail dari album "Believe" dengan durasi 60 menit.

2. **$album2->getAlbumDetails()**:
   Output: **Title: Purpose, Duration: 45 minutes**
   Penjelasan: Metode ini mengembalikan detail dari album "Purpose" dengan durasi 45 menit.

3. **$album3->getAlbumDetails()**:
   Output: **Title: Changes, Duration: 50 minutes**
   Penjelasan: Metode ini mengembalikan detail dari album "Changes" dengan durasi 50 menit.

4. **JustinBieberAlbum::getTotalAlbums()**:
   Output: **Total Albums: 3**
   Penjelasan: Metode statis ini mengembalikan total jumlah album yang telah dibuat, yaitu 3 album.

5. **JustinBieberAlbum::getTotalDuration()**:
   Output: **Total Duration of all albums: 155 minutes**
   Penjelasan: Metode statis ini mengembalikan total durasi dari semua album yang telah dibuat. Durasi total adalah 60 + 45 + 50 = 155 menit.