

6-21-2017

## Quiz 17

1. Find the movies that are longer than starwars.

- Old way

```
1 SELECT m2.title, m2.year, m2.length
2 FROM movies m1, movies m2,
3 WHERE m1.title = 'star wars'
4 AND m1.length < m2.length
```

- New way

```
1 SELECT title year, length
2 FROM movies
3 WHERE length > ANY (
4     SELECT length
5     FROM movies
6     WHERE title = 'star wars' )
```

2. For each movie, find the longest movie made by the same production studio.

```
1 SELECT m0.title AS m0title, m0.year AS m0year, m0.length AS m0length, m4.title AS m4title,
2     m4.year AS m4year, m4.length AS m4length
2 FROM movies m0, (
3     SELECT title, year, studioname, length
4     FROM movies m1 (length, studioname) IN (
5         SELECT max (length), studioname
6         FROM movies m2 group by studioname ) ) AS m4
7 WHERE m0.studioname = m4.studioname
```

3. Find all the stars of all movies that William Hootkins was in.

```
1 SELECT DISTINCT starname
2 FROM starsin
3 WHERE (movietitle, movieyear) IN
```

4. List all studios and the number of all stars in all their movies.

```
1 SELECT studioname, COUNT(DISTINCT starname)
2 FROM movies, starsin
3 WHERE title = movietitle
4 AND year = movieyear
5 GROUP BY studioname
```

5. List the studios that have had over 2 stars in all the movies they have made.

```
1 SELECT studioName, COUNT(DISTINCT starName)
2 FROM movies, starsin WHERE title = movieTitle
3 AND year = movieYear
4 GROUP BY studioName
5 HAVING COUNT(DISTINCT starName) > 2
```