

SQL Homework

B08502041 李芸芳

```
mysql> SELECT Planet_Name FROM TimeTable AS T WHERE T.Character_Name = "Princess Leia" AND T.Movie = 3;
+-----+
| Planet_Name |
+-----+
| Tatooine    |
| Endor       |
+-----+
2 rows in set (0.00 sec)

1. mysql> socao.
```

```
mysql> SELECT DISTINCT Character_Name FROM TimeTable T, Planets P, Characters C
-> WHERE T.Movie = 2 AND T.Planet_Name = P.name AND T.Character_Name = C.name AND P.Affiliation = C.A
ffiliation;
+-----+
| Character_Name |
+-----+
| Han Solo       |
| Princess Leia  |
| Luke Skywalker |
| C-3 P0         |
| R2-D2          |
| Yoda           |
| Jabba the Hutt |
| Rancor         |
+-----+
8 rows in set (0.00 sec)

2. mysql> alxod.
```

```
mysql> SELECT C.Name
-> FROM Characters C
-> WHERE C.Name NOT IN (
->     SELECT T.Character_Name
->     FROM TimeTable T, Planets P
->     WHERE T.Planet_Name = P.Name
->     AND P.Affiliation = "empire"
-> );
+-----+
| Name          |
+-----+
| Chewbacca     |
| C-3 P0        |
| R2-D2         |
| Lando Calrissian |
| Yoda          |
| Jabba the Hutt |
| Owen Lars     |
| Rancor        |
+-----+
8 rows in set (0.00 sec)

3. mysql> w9v9w.
```

```
mysql> SELECT C.Name, COUNT(T.Planet_Name)
-> FROM Characters C
-> LEFT JOIN TimeTable T
-> ON C.Name = T.Character_Name
-> AND T.Planet_Name = C.Homeworld
-> GROUP BY C.Name;
```

Name	COUNT(T.Planet_Name)
Han Solo	0
Princess Leia	0
Luke Skywalker	2
Darth Vader	0
Chewbacca	0
C-3 P0	0
R2-D2	0
Obi-Wan Kanobi	1
Lando Calrissian	0
Yoda	0
Jabba the Hutt	0
Owen Lars	1
Rancor	0

13 rows in set (0.00 sec)

4. mysql> fja0c.

```
mysql> SELECT T_2.Movie, T_2.Character_Name
-> FROM (
-> SELECT A.Movie, MAX(count) as Count
-> FROM (
-> SELECT T.Movie, COUNT(T.Character_Name) count
-> FROM TimeTable T
-> GROUP BY T.Movie, T.Character_Name) A
-> GROUP BY A.Movie) T_1,
-> (
-> SELECT T.Movie, T.Character_Name, COUNT(T.Character_Name) count
-> FROM TimeTable T GROUP BY T.Movie, T.Character_Name) T_2
-> WHERE T_1.Movie = T_2.Movie AND T_1.Count = T_2.count;
```

Movie	Character_Name
1	Luke Skywalker
2	Luke Skywalker
2	R2-D2
3	Luke Skywalker

4 rows in set (0.00 sec)

5. mysql> fjslc9s