

Week 12. Homework 6. SQL Basic Questions

1. List all directors' names and their respective departments.

	name	department
1	James Cameron	Directing
2	Gore Verbinski	Directing
3	Sam Mendes	Directing

```
Execution finished without errors.  
Result: 2349 rows returned in 29ms  
At line 1:  
-- 1  
SELECT name, department  
FROM directors;
```

a.

2. Retrieve the titles of all movies with a popularity greater than 5.

	title
1	Avatar
2	Pirates of the Caribbean: At World's End
3	Spectre

```
Execution finished without errors.  
Result: 3376 rows returned in 38ms  
At line 5:  
-- 2  
SELECT title  
FROM movies  
WHERE popularity > 5;
```

a.

3. List the names and IDs of directors in the 'Directing' department who are identified with gender '2'.

	name	id
1	James Cameron	4762
2	Gore Verbinski	4763
3	Sam Mendes	4764

Execution finished without errors.
 Result: 1574 rows returned in 5ms
 At line 11:
 SELECT name, id
 FROM directors
 WHERE department = 'Directing' AND gender = 2;

a.

4. Show the names of all directors who have 'Sam' in their name

	name
1	Sam Mendes
2	Sam Raimi
3	Sam Fell

Execution finished without err
 Result: 11 rows returned in 3m
 At line 15:
 --4
 SELECT name
 FROM directors
 WHERE name LIKE '%Sam%';

a.

5. Display the first 10 movies in the database ordered by release date.

	id	original_title	budget	popularity	release_date	revenue	title
1	48189	Intolerance	385907	3	1916-09-04	8394751	Intolerance
2	48258	The Big Parade	245000	0	1925-11-05	22000000	The Big Parade

Execution finished without errors.
 Result: 10 rows returned in 8ms
 At line 20:
 -- 5
 SELECT *
 FROM movies
 ORDER BY release_date
 LIMIT 10;

a.

6. List all movies with a 'Star' in the title and a vote average greater than 7.

	id	original_title	budget	popularity	release_date	revenue
1	43644	Star Trek Into Darkness	190000000	78	2013-05-05	467365
2	43755	Star Trek	150000000	73	2009-05-06	385680

```
Execution finished without errors.
Result: 9 rows returned in 7ms
At line 26:
-- 6
SELECT *
FROM movies
WHERE title LIKE '%Star%' AND vote_average > 7;
```

a.

7. Find the titles of movies released between '1995-01-01' and '2000-12-31' with revenues NOT exceeding 10 million.

	title
1	Volcano
2	Déjà Vu
3	Mighty Joe Young

```
Execution finished without errors.
Result: 328 rows returned in 3ms
At line 31:
-- 7
SELECT title
FROM movies
WHERE release_date BETWEEN '1995-01-01' AND '2000-12-31' AND revenue <= 10000000;
```

a.

8. List the names of directors who are assigned a 'uid' greater than 7000 OR less than 100.

	name
1	Sam Mendes
2	Andrew Stanton
3	Sam Raimi

```
Execution finished without errors.
Result: 2071 rows returned in 4ms
At line 36:
-- 8
SELECT name
FROM directors
WHERE uid > 7000 OR uid < 100;
```

a.

9. List the titles of movies that have a vote count between 50 and 100, inclusive, and a vote average of exactly 7.0

	title
1	Angela's Ashes
2	A Better Life
3	Red Riding: In the Year of Our Lord 1974

```
Execution finished without errors.
Result: 9 rows returned in 3ms
At line 41:
-- 9
SELECT title
FROM movies
WHERE vote_count BETWEEN 50 AND 100 AND vote_average = 7.0;
```

a.

10. Select the names of all directors who have 'John' in their name and a 'uid' less than 10000 but greater than 5000.

	name
1	John Lasseter
2	John Milius
3	John Singleton

```
Execution finished without errors.
Result: 8 rows returned in 2ms
At line 46:
-- 10
SELECT name
FROM directors
WHERE name LIKE '%John%' AND uid < 10000 AND uid > 5000;
```

a.

11. Retrieve the titles of movies with odd-numbered 'uid's and even-numbered vote counts that are also higher than 500.

```
Execution finished without errors.
Result: 405 rows returned in 6ms
At line 51:
-- 11
SELECT title
FROM movies
WHERE (uid % 2 <> 0) AND (vote_count % 2 = 0) AND vote_count > 500;
```

a.

12. Retrieve the titles of movies that have a vote average between 6.0 and 8.0, with vote counts exactly 200, or have a budget less than 500,000 but more than 100,000.

	title	
1	Mean Streets	
2	Halloween	
3	Control	

```

Execution finished without errors.
Result: 81 rows returned in 3ms
At line 56:
-- 12
SELECT title
FROM movies
WHERE (vote_average BETWEEN 6.0 AND 8.0 AND vote_count = 200)
      OR (budget BETWEEN 100000 AND 500000);

```

a.