Efaz Hossain SQL Basic

## 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;
```

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

a.

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```
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;
```

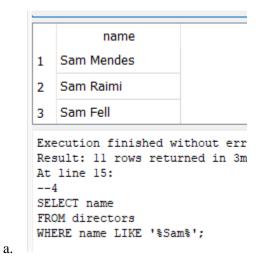
3. List the names and IDs of directors in the 'Directing' department who are identified with gender '2'.

```
name
                                      id
     James Cameron
                                     4762
1
     Gore Verbinski
                                     4763
2
     Sam Mendes
                                     4764
3
Execution finished without errors.
Result: 1574 rows returned in 5ms
At line 11:
SELECT name, id
FROM directors
WHERE department = 'Directing' AND gender = 2;
```

9

a.

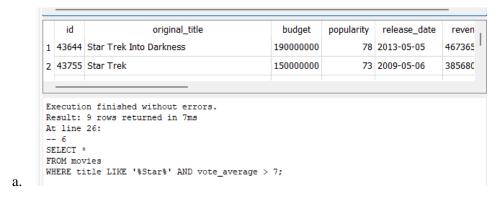
4. Show the names of all directors who have 'Sam' in their name



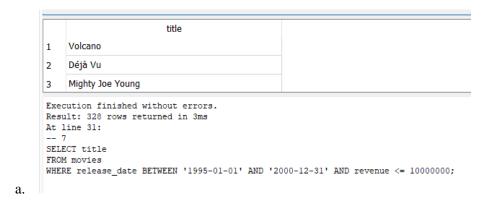
5. Display the first 10 movies in the database ordered by release date.

```
original_title
     id
                                  budget
                                           popularity
                                                       release_date
                                                                      revenue
                                                                                       title
   48189 Intolerance
                                                                      8394751 Intolerance
                                                    3 1916-09-04
                                   385907
   48258 The Big Parade
                                                    0 1925-11-05
                                                                     22000000 The Big Parade
                                   245000
Execution finished without errors.
Result: 10 rows returned in 8ms
At line 20:
-- 5
SELECT *
FROM movies
ORDER BY release_date
LIMIT 10;
```

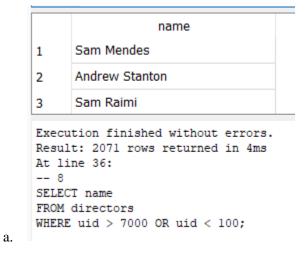
6. List all movies with a 'Star' in the title and a vote average greater than 7.



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



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



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;
```

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;
```

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

a.

```
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;
```

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.