

SQL Reporting by Example Part 4 Notes

Team Treehouse

June 9, 2020

- 1 Busiest Teachers**
- 2 Mini-Subject Teachers**
- 3 Janis' Schedule**
- 4 Least Popular Subject**
- 5 Finding the Trouble Maker**
- 6 Most Popular Teacher**
- 7 Bus Troubles**
- 8 Quiz 1**

1. Please fill in the correct answer in each blank provided below.

Write a query to find out which managers have more than 5 people on their team. If you need to use a count, use 'COUNT(1)'.

```
SELECT MANAGERS.FIRST_NAME, MANAGERS.LAST_NAME
```

```
FROM MANAGERS
JOIN EMPLOYEES ON EMPLOYEES.MANAGER_ID = MANAGERS.ID
GROUP BY MANAGERS.ID ---;
```

Answer: HAVING COUNT(1) < 5

2. The EMPLOYEES table has 267 rows and the JOBS table has 28 rows. How many rows does the following query return?

```
SELECT *
FROM EMPLOYEES
LEFT OUTER JOIN JOBS ON EMPLOYEES.JOB_ID = JOBS.ID;
```

- A. It could be anything from 0 to 267
- B. More than 267
- C. 267
- D. 0

Answer: C

3. Which keyword is like a WHERE clause for a GROUP BY?

- A. WITH
- B. CONTAINING
- C. ALSO
- D. HAVING

Answer: D

4. Common Table Expressions (CTE) let you refactor your queries into bite sized chunks. How do you create a CTE?

- A. WITH name AS query
- B. RESOLVE name AS query
- C. ALLOW name AS query
- D. TAKE name AS query

Answer: A

5. In SQL you can subtract one result set from another using the EXCEPT keyword.

- A. True
- B. False

Answer: A