

# SQL Reporting by Example Part 3 Notes

Team Treehouse

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## **1 Student Schedule**

## **2 A Smelley Issue**

## **3 Students A to M**

## **4 Students by Grade**

## **5 Predicting the Future**

## **6 Quiz 1**

1. The EMPLOYEES table has 267 rows and the JOBS table has 28 rows. How many ROWS does the following query return?  
  
A. 0  
B. It could be anything from 0 to 267  
C. More than 267  
D. 267

**Answer: B**

2. The EMPLOYEES table has 23 columns and the JOBS table has 4. How many COLUMNS does the following query have?

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

- A. 0
- B. 27
- C. 92
- D. 6

**Answer:** B

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

Write a query to figure out how many employees are in each job role.

```
SELECT JOBS.ROLE, COUNT(1)  
FROM EMPLOYEES  
JOIN JOBS ON EMPLOYEES.JOB_ID = JOBS.ID  
--- ;
```

**Answer:** GROUP BY JOBS.ROLE

4. You can have more than one column in a GROUP BY.

- A. True
- B. False

**Answer:** A

5. There are 267 employees and 15 with last names starting with 'A'. What does this return?

```
SELECT COUNT(1)  
FROM EMPLOYEES  
GROUP BY 'A';
```

- A. 15

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

**Answer:** C