

The word '**tenure**' refers to the duration of employment as measured in years. It is calculated by taking the difference between the end date and the start date.

Find the unique job ids from the employee's job history when **tenure** is more than 3 and start date was after 1st January 1994.

```
SELECT DISTINCT  
job_id FROM  
job_history WHERE  
end_date - start_date > 3 AND  
start_date >  
'1994-01-01'
```



Natural Language Description

Show the account id with **runner-up** number of transactions.

```
SELECT account_id FROM (SELECT account_id , COUNT(*) AS t_prop FROM financial_transactions GROUP BY account_id  
ORDER BY COUNT(*) DESC LIMIT 2) AS t_tab ORDER BY  
t_tab.t_prop LIMIT 1
```

Which advisor has **runner-up** number of students?

```
SELECT advisor FROM (SELECT advisor , COUNT(*) AS t_prop  
FROM student GROUP BY advisor ORDER BY COUNT(*) DESC  
LIMIT 2) AS t_tab ORDER BY t_tab.t_prop LIMIT 1
```

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Which major has **runner-up** number of students?

```
SELECT major FROM (SELECT major , COUNT(*) AS t_prop FROM student GROUP BY major ORDER BY  
COUNT(*) DESC LIMIT 2) AS t_tab ORDER BY  
t_tab.t_prop LIMIT 1
```



I think many of the instructors in the department are **underpaid**.

Really? How do you determine if someone is **underpaid**?



Well, I consider someone to be **underpaid** if they **earn less than 100,000**.

•
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•



Who are the **underpaid** instructors in the Computer Science department?



```
SELECT name FROM instructor  
WHERE dept_name = 'Comp.  
Sci.' AND salary < 100000;
```



Few-Shot Examples

Dialogue