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TAS129

1. Given a table of employees, find the number of male and female employees in each department:

```
SELECT Department,  
SUM(CASE WHEN Gender = 'Male' THEN 1 ELSE 0 END) AS "Num of male",  
SUM(CASE WHEN Gender = 'Female' THEN 1 ELSE 0 END) AS "Num of Female"  
FROM employees GROUP BY Department;
```

2. Given a table with salaries of employees for different month, find the max amount from the rows with month name:

```
SELECT Name,  
ANY_VALUE(CASE WHEN Jan = GREATEST(Jan, Feb, Mar) THEN 'Jan' WHEN Feb =  
GREATEST(Jan, Feb, Mar) THEN 'Feb'  
WHEN Mar = GREATEST(Jan, Feb, Mar) THEN 'Mar' END)  
AS Month, GREATEST(Jan, Feb,
```

3.  
Given the marks obtained by candidates in a test, rank them in proper order.

```
SELECT Marks,  
DENSE_RANK() OVER (ORDER BY Marks DESC) AS `Ranking`,  
GROUP_CONCAT(Candidate_ID ORDER BY Candidate_ID ASC) AS Candidate_ID  
FROM candidate_marks GROUP BY Marks ORDER BY `Ranking`;
```

4.  
If same value is repeated for different id, then keep the value that has smallest id and delete all the other rows having same value:

```
DELETE c1 FROM candidate_emails c1  
JOIN candidate_emails c2 ON c1.Email = c2.Email  
AND c1.Candidate_ID > c2.Candidate_ID;
```