

EXPRIMENT – 2

SQL query based on Aggregated Functions

1. Display average salary of employees in each department who have commission percentage.

```
SELECT department_id, AVG(salary) AS Average_Salary
FROM employees
WHERE commission_pct IS NULL
GROUP BY department_id;
```

[illegible]10 rows returned in 0.01 seconds [CSV Export](#)

- ## 2. Display job title and average salary of employees

```
SELECT job_id, AVG(salary) AS Average_Salary
FROM employees
WHERE commission_pct IS NULL
GROUP BY job_id;
```

JOB_ID	AVERAGE_SALARY
IT_PROG	5760
AC_MGR	12000
AC_ACCOUNT	8300
ST_MAN	7280
PU_MAN	11000
AD_ASST	4400
AD_VP	17000
SH_CLERK	3215
FI_ACCOUNT	7920
FI_MGR	12000
More than 10 rows available. Increase rows selector to view more rows.	

10 rows returned in 0.00 seconds [CSV Export](#)

- 3. Display details of jobs where the minimum salary is greater than 10000.**

```
SELECT job_id, job_title, min_salary, max_salary
FROM jobs
WHERE min_salary > 10000;
```

JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
AD_PRES	President	20000	40000
AD_VP	Administration Vice President	15000	30000

2 rows returned in 0.01 seconds [CSV Export](#)

4. Display how many employees joined in each month of the current year.

```
SELECT EXTRACT(MONTH FROM hire_date) AS Join_Month, COUNT(*) AS  
Num_of_Employees  
FROM employees  
WHERE EXTRACT(YEAR FROM hire_date) = EXTRACT(YEAR FROM CURRENT_DATE)  
GROUP BY EXTRACT(MONTH FROM hire_date)  
ORDER BY EXTRACT(MONTH FROM hire_date);
```

no data found

5. Display number of employees joined after 15th of the month

```
SELECT EXTRACT(MONTH FROM hire_date) AS Join_Month, COUNT(*) AS  
Num_of_Employees  
FROM employees  
WHERE EXTRACT(DAY FROM hire_date) > 15  
GROUP BY EXTRACT(MONTH FROM hire_date)  
ORDER BY EXTRACT(MONTH FROM hire_date);
```

JOIN_MONTH	NUM_OF_EMPLOYEES
1	8
2	6
3	9
4	4
5	4
6	5
7	3
8	6
9	5
10	3
11	2
12	2

12 rows returned in 0.00 seconds

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