

PES UNIVERSITY EC CAMPUS DBMS LAB WEEK 6

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SECTION: E

PROBLEM STATEMENT : SQL - Aggregate functions.

Q1: Show the resulting salaries if every employee working on the 'ProductX' project is given a 10% raise.

Q2.Find the sum of the salaries of all employees of the 'Research' department, as well as the maximum salary, the minimum salary, and the average salary in this department.

Q3. Count the number of distinct salary values in the database.

```
[companydb=*# SELECT COUNT(DISTINCT SALARY) AS "COUNT_SALARY" FROM EMPLOYEE;
   COUNT_SALARY
------6
(1 row)
```

Q4.Retrieve the names of all employees who have two or more dependents.

```
|companydb=*# SELECT LNAME,FNAME FROM EMPLOYEE WHERE(SELECT COUNT(*) FROM DEPENDENT WHERE SSN=ESSN)>=2;
| lname | fname
| fname
| wong | FRANKLIN
| SMITH | JOHN
| (2 rows)
| companydb=*#
```

Q5. For each department, retrieve the department number, the number of employees in the department, and their average salary.

Q6.Retrieve the names of employees who make at least \$10,000 more than the employee who is paid the least in the company.

```
companydb=*# SELECT LNAME FROM EMPLOYEE WHERE SALARY >= 10000+(SELECT MIN(SALARY) FROM EMPLOYEE);
lname
------
BORG
WONG
WALLACE
NARAYAN
(4 rows)
```

Q7.Retrieve the names of all employees who work in the department that has the employee with the highest salary among all employees.

Q8.Count the total number of employees whose salaries exceed \$40,000 in each department

[companydb=*# SELE dname	CT DNAME,COUNT(*)	FROM DEPARTMENT	,EMPLOYEE WHERE	DNUMBER=DNO AN	D SALARY>40000	GROUP BY	DNAME;
ADMINISTRATION HEADQUARTERS (2 rows)	1 1						

----- THANK YOU-----