Tutorial -SQL Exercises 2

Formulate and run SQL queries for all the questions given based on Employee database.

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1.   List the maximum and minimum salary for each job type.

JOB	MAXIMUM	MINIMUM
ANALYST	3000	3000
CLERK	1300	800
MANAGER	2975	2450
PRESIDENT	5000	5000
SALESMAN	1600	1250

5 records selected.

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2.   For each salesman, list his name, salary, commission and percentage commission of salary.

ENAME	SAL	COMM	PERCENTAGE
ALLEN	1600	300	18.75
WARD	1250	500	40
MARTIN	1250	1400	112
TURNER	1500	0	0

4 records selected.

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3.   Find all salesmen whose commission is greater than 5% of their salary.

ENAME	SAL	COMM
ALLEN	1600	300
WARD	1250	500
MARTIN	1250	1400

3 records selected.

5. Find out how many managers there are without listing them.

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MANAGERS
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       3
```

1 record selected.

6. Find the minimum salary of all the employees.

```
MINIMUM
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    800
```

1 record selected.

8. Find the employee(s) who earn the highest salary in each job type.

JOB	ENAME	SAL
ANALYST	SCOTT	3000
ANALYST	FORD	3000
CLERK	MILLER	1300
MANAGER	JONES	2975
PRESIDENT	KING	5000
SALESMAN	ALLEN	1600

6 records selected.

9. Find the names of those employees with the minimum salary for their job. Print the jobs in ascending order of their minimum salary.

ENAME	SAL	JOB
SMITH	800	CLERK
WARD	1250	SALESMAN
MARTIN	1250	SALESMAN
CLARK	2450	MANAGER
SCOTT	3000	ANALYST
FORD	3000	ANALYST
KING	5000	PRESIDENT

7 records selected.

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10. List all departments where there are no employees.

DEPTNO	DNAME
40	OPERATIONS

1 record selected.