

Assignment-3

- Count the total number of orders.
- Calculate the average sale price of all the products.
- Count the number of products having price greater than or equal to 1500.
- Determine the maximum and minimum product prices. Rename the output as max_price and min_price respectively.
- Create the following tables and insert the data as mentioned below:

a) **Emp** table

Column	Null	Type
-----	-----	-----
EMPNO	NOT NULL	NUMBER(4,0)
ENAME	-	VARCHAR2(10)
JOB	-	VARCHAR2(9)
MGR	-	NUMBER(4,0)
HIREDATE	-	DATE
SAL	-	NUMBER(7,2)
COMM	-	NUMBER(7,2)
DEPTNO	NOT NULL	NUMBER(2,0)

Data in **Emp** table [Value absent means NULL]

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
-----	-----	-----	-----	-----	-----	-----	-----
7369	SMITH	CLERK	7902	17-DEC-80	800		20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7788	SCOTT	ANALYST	7566	19-APR-87	3000		20
7839	KING	PRESIDENT		17-NOV-81	5000		10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100		20
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

b) Dept table:

Column	Null	Type
-----	-----	-----
deptno	NOT NULL	NUMBER (2,0),
dname	NOT NULL	VARCHAR2 (14),
loc	NOT NULL	VARCHAR2 (13),

Data in Dept table

DEPTNO	DNAME	LOC
-----	-----	-----
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

c) Salgrade table

Column	Null	Type
-----	-----	-----
grade		NUMBER,
losal		NUMBER,
hisal		NUMBER

Data in Salgrade table:

GRADE	LOSAL	HISAL
-----	-----	-----
1	700	1200
2	1201	1400
3	1401	2000
4	2001	3000
5	3001	9999

6. Solve the following SQL (DML) query use Emp and Dept table created above

- List all department no, employee no, manager no. from emp table.
- List all department name and location from dept table.
- List the employees belong to the department 20.
- List the name and salary of the employee whose salary is more than 2500.
- List the details of the employee who have joined before end of July 81.
- List the name of the employees who are not manager.
- List the name of employees whose name end with 'S'.
- List the name of employees whose name has exactly 5 characters long.
- List the name of employees whose name having 'R' as the third character.
- List all employee names and their salaries, whose salary lies between 1500/- and 3500/- both inclusive.
- List all employee names and their and their manager whose manager is 7902 or 7566 Or 7789.
- List all employees which start with either J or T.
- List all employee names and jobs, whose job title includes M or P.
- List all jobs available in employee table.
- List all employees who belong to the department 10 or 20.
- List all employee names, salary and 15% raise in salary.



Laboratory Assignments

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- q) List minimum, maximum, average salaries of employee.
- r) Find how many job titles are available in employee table.
- s) What is the difference between maximum and minimum salaries of employees in the organization?
- t) Find how much amount the company is spending towards salaries.
- u) Display name of employees with deptno. 20.
- v) List ename who are not eligible for commission.
- w) Find no.of dept in employee table.
- x) List ename and designation of the employee who does not report to anybody..
- y) List the name of the employees who are less than 38 years old in the organization with respect to today's date.