

Assignment-3

- Count the total number of orders.

Select count(order_no) Total_no_of_order from sales_order;

- Calculate the average sale price of all the products.

select avg(sell_price) avg_sales_price from product_master;

- Count the number of products having price greater than or equal to 1500.

select count(sell_price) sales_price from product_master where sell_price >= 1500;

- Determine the maximum and minimum product prices. Rename the output as max_price and min_price respectively.

select max(sell_price) max_price,min(sell_price) min_price from product_master;

- 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
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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

Create table emp as select * from scott.emp;

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

Create table dept as select * from scott.dept;

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

Create table salgrade as select * from scott.salgrade;

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

a) List all department no, employee no, manager no. from emp table.

select deptno,empno,mgr from emp;

b) List all department name and location from dept table.

select dname,loc from dept;

c) List the employees belong to the department 20.

select ename from emp where deptno = 20;

- d) List the name and salary of the employee whose salary is more than 2500.
select ename,sal from emp where sal > 2500;
- e) List the details of the employee who have joined before end of July 81.
select * from emp where hiredate <= '31-jul--81';
- f) List the name of the employees who are not manager.
select ename,job from emp where job <> 'manager';
select ename,job from emp where job != 'manager';
- g) List the name of employees whose name end with 'S'.
select ename from emp where ename like "%s";
- h) List the name of employees whose name has exactly 5 characters long.
select ename from emp where length(ename) = 5;
- i) List the name of employees whose name having 'R' as the third character.
select ename from emp where ename like "__R%";
- j) List all employee names and their salaries, whose salary lies between 1500/- and 3500/- both inclusive.
select ename,sal from emp where sal >= 1500 and sal <= 3500;
- k) List all employee names and their and their manager whose manager is 7902 or 7566 Or 7789.
select ename,mgr from emp where mgr = 7902 or mgr = 7566 or mgr = 7789;
- l) List all employees which start with either J or T.
select ename from emp where ename like "J%" or ename like "T%";
- m) List all employee names and jobs, whose job title includes M or P.
select ename,job from emp where job like "%M%" or job like "%p%";
- n) List all jobs available in employee table.
select distinct job from emp;
- o) List all employees who belong to the department 10 or 20.
select ename from emp where deptno = 10 or deptno = 20;
- p) List all employee names, salary and 15% raise in salary.
select ename,sal,sal*0.15 new_sal from emp;
- q) List minimum, maximum, average salaries of employee.
select min(sal) min_sal , max(sal) max_sal , avg(sal) avg_sal from emp;
- r) Find how many job titles are available in employee table.
select count(distinct job) Number_of_jobs from emp;
- s) What is the difference between maximum and minimum salaries of employees in the organization?
select min(sal) min_sal , max(sal) max_sal , max(sal)-min(sal) Diff from emp;
- t) Find how much amount the company is spending towards salaries.
select sum(sal) Total_sal from emp;
- u) Display name of employees with deptno. 20.
select ename, deptno from emp where deptno = 20;
- v) List ename who are not eligible for commission.
select ename from emp where comm is NULL;

w) Find no.of dept in employee table.

select count(distinct deptno) Number_of_dept from emp;

x) List ename and designation of the employee who does not report to anybody..

select ename,job from emp where mgr is NULL;

y) List the name of the employees who are less than 38 years old in the organization with respect to today's date.

select ename from emp where (sysdate-hiredate)<365/38;