



INDIAN SCHOOL NIZWA - WORKSHEET

INFORMATICS PRACTICES CH: 12 & 13 Relational Database - WS3

Name: _____

Date: _____

Class: XI Sec: ____

1. Consider the following two tables DEPT and EMP and answer the following questions

Table :DEPT

DEPTNO	DNAME	LOC
10	ACCOUNTING	DELHI
20	RESEARCH	KOLKATA
30	SALES	MUMBAI
40	OPERATIONS	BENGALURU

RELATION : EMP

EMPNO	ENAME	JOB	MGR	DOJ	SAL	COMM	DEPTNO
100	Sunita Sharma	Clerk	7902	1993-12-17	12800	NULL	20
101	Ashok Singhal	Salesman	7698	1994-02-20	13600	1300	30
102	Sumit Avasti	Salesman	7698	1994-02-22	15250	1500	30
103	Jyoti Lamba	Manager	7839	1995-04-02	14975	NULL	20
104	Martin S	Salesman	7698	1993-09-28	16250	2400	30
105	Binod Goel	Manager	7839	1991-05-01	15850	NULL	30
106	Chetan Gupta	Manager	7839	1995-06-90	12450	NULL	10
107	Sudhir Rawat	Analyst	7566	1997-04-19	15000	NULL	20
108	Kavita Sharma	President	NULL	1994-11-17	15000	NULL	10
109	Tushar Tiwari	Salesman	7698	1992-09-08	14500	0	30
110	Anand Rathi	Clerk	7788	1997-05-23	16100	NULL	20
111	Jagdeep Rana	Clerk	7698	1995-12-03	14950	NULL	30
112	Sumit Vats	Analyst	7566	1993-12-03	13500	3600	20
113	Manoj Kaushik	Clerk	7782	1994-01-23	15300	NULL	10



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For CREATE TABLE and INSERT command, see ...MyPythonXI\Chapter 17\EMP.SQL and DEPTM.SQL.

- (a) To display all the records from EMP table.
- (b) To list the employee number and name from the EMP table.
- (c) To list name, date of joining (DOJ) and salary of all employees.
- (d) To display the employee name and the incremented value of SAL as SAL + 300.
- (e) To list the employee name and annual salary(Annual salary = 12*SAL + 100).
- (f) Display the name and salary where commission is NULL.
- (g) To list the distinct department numbers from the EMP table.
- (h) To list the unique jobs from the EMP table.
- (i) To list the department no. and department wise total salary.
- (j) To list the employee name and salary of those whose salary is between 14000 and 11500.
- (k) To list the employee name, department no. and salary of those whose MGR are IN 7902, 7566, 7788.
- (l) To list the employee number and employee name of those whose employee name starts with 'S'.
- (m) To list all the columns where salary is greater than 15100 in ascending order of name.
- (n) To list all the columns whose DOJ is before 1995 in the ascending order of date of joining.
- (o) To list all the columns in the ascending order of deptno and descending order of salary.
- (p) To display the employee name and job of employee for those who joined between '1993-02-20' AND '1995-11-01'.
- (q) Display the ename and deptno of all employees in department 20 and 30 in alphabetical ORDER BY name.
- (r) To list the name and salary of all the employees who earn more than 12000 and are in department 10 or 40.
- (s) To list the name and hiredate of all the employees who are joined in 1995.
- (t) To list all the employees who do not have manager.
- (u) To list the name and salary of all employees who earn commission.
- (v) To list the employee name and name of all those employees where the second letter of their name is 'a'.
- (w) To list the name and job of all the employees who work in department 20 and their manager is 7788.
- (x) To list the deptno, job and sum of salary group by deptno and job.
- (y) To display the name, department number and department's name of all the employees who work in DELHI.
- (z) Write the output of the following:
 - (i) SELECT ENAME, 12*SAL + COMM FROM EMP WHERE ENAME = 'Ashok Singhal';

- (ii) SELECT ENAME FROM EMP WHERE ENAME LIKE '_a%';
- (iii) SELECT ENAME, MGR FROM EMP WHERE MGR IS NULL;
- (iv) SELECT AVG(SAL), MAX(SAL), MIN(SAL), SUM(SAL) FROM EMP WHERE JOB LIKE 'SALES%';
- (v) SELECT DEPTNO, SUM(SAL) FROM EMP GROUP BY DEPTNO;
- (vi) SELECT DEPTNO, AVG(SAL) FROM EMP GROUP BY DEPTNO;
- (vii) SELECT COUNT(*) FROM EMP WHERE DEPTNO = 20;