SQL - Sturctured Query Language

DROP TABLE DEPT CASCADE CONSTRAINTS; **CREATE TABLE DEPT** (DEPTNO NUMBER(2), DNAME VARCHAR2(14) NOT NULL, LOC VARCHAR2(13), **CONSTRAINT PK DEPT PRIMARY KEY (DEPTNO)** CONSTRAINT UK_DEPT UNIQUE (DNAME)); INSERT INTO DEPT VALUES (10, 'ACCOUNTING', 'NEW YORK'); INSERT INTO DEPT VALUES (20, 'RESEARCH', 'DALLAS'); INSERT INTO DEPT VALUES (30, 'SALES', 'CHICAGO'); INSERT INTO DEPT VALUES (40, 'OPERATIONS', 'BOSTON'); DROP TABLE EMP: **CREATE TABLE EMP** (EMPNO NUMBER(4), **ENAME VARCHAR2(10) NOT NULL, JOB VARCHAR2(9) NOT NULL,** MGR NUMBER(4), HIREDATE DATE NOT NULL, SAL NUMBER(7, 2) NOT NULL, COMM NUMBER(7, 2), **DEPTNO NUMBER(2),** CONSTRAINT PK_EMPNO PRIMARY KEY (EMPNO), CONSTRAINT FK_DEPT FOREIGN KEY (DEPTNO) REFERENCES DEPT(DEPTNO), CONSTRAINT CHK_EMP_SALESMAN CHECK ((JOB='SALESMAN' AND COMM IS NOT NULL) OR (JOB<>'SALESMAN' AND COMM IS NULL))); INSERT INTO EMP VALUES(7369, 'SMITH', 'CLERK', 7902, TO_DATE('17-DEC-1980', 'DD-MON-YYYY'), 800, NULL, 20); INSERT INTO EMP VALUES(7499, 'ALLEN', 'SALESMAN', 7698, TO_DATE('20-FEB-1981', 'DD-MON-YYYY'), 1600, 300, 30); INSERT INTO EMP VALUES(7521, 'WARD', 'SALESMAN', 7698, TO_DATE('22-FEB-1981', 'DD-MON-YYYY'), 1250, 500, 30); INSERT INTO EMP VALUES(7566, 'JONES', 'MANAGER', 7839, TO_DATE('2-APR-1981', 'DD-MON-YYYY'), 2975, NULL, 20); $INSERT\ INTO\ EMP\ VALUES (7654, 'MARTIN', 'SALESMAN',\ 7698, TO_DATE ('28-SEP-1981', 'DD-MON-YYYY'),\ 1250,\ 1400,\ 30);$ INSERT INTO EMP VALUES(7698, 'BLAKE', 'MANAGER', 7839,TO_DATE('1-MAY-1981', 'DD-MON-YYYY'), 2850, NULL, 30); INSERT INTO EMP VALUES(7782, 'CLARK', 'MANAGER', 7839,TO_DATE('9-JUN-1981', 'DD-MON-YYYY'), 2450, NULL, 10); INSERT INTO EMP VALUES(7788, 'SCOTT', 'ANALYST', 7566, TO_DATE('09-DEC-1982', 'DD-MON-YYYY'), 3000, NULL, 20); INSERT INTO EMP VALUES(7839, 'KING', 'PRESIDENT', NULL,TO_DATE('17-NOV-1981', 'DD-MON-YYYY'), 5000, NULL, 10); INSERT INTO EMP VALUES(7844, 'TURNER', 'SALESMAN', 7698, TO_DATE('8-SEP-1981', 'DD-MON-YYYY'), 1500, 0, 30); INSERT INTO EMP VALUES(7876, 'ADAMS', 'CLERK', 7788, TO_DATE('12-JAN-1983', 'DD-MON-YYYY'), 1100, NULL, 20); INSERT INTO EMP VALUES(7900, 'JAMES', 'CLERK', 7698, TO_DATE('3-DEC-1981', 'DD-MON-YYYY'), '950, NULL, 30); INSERT INTO EMP VALUES(7902, 'FORD', 'ANALYST', 7566, TO_DATE('3-DEC-1981', 'DD-MON-YYYY'), 3000, NULL, 20); INSERT INTO EMP VALUES(7934, 'MILLER', 'CLERK', 7782,TO_DATE('23-JAN-1982', 'DD-MON-YYYY'), 1300, NULL, 10); **DROP TABLE SALGRADE; CREATE TABLE SALGRADE** (GRADE NUMBER, LOSAL NUMBER, HISAL NUMBER, CONSTRAINT PK_GRADE PRIMARY KEY (GRADE)); INSERT INTO SALGRADE VALUES (1, 700, 1200); INSERT INTO SALGRADE VALUES (2, 1201, 1400); INSERT INTO SALGRADE VALUES (3, 1401, 2000); INSERT INTO SALGRADE VALUES (4, 2001, 3000); INSERT INTO SALGRADE VALUES (5, 3001, 9999); COMMIT; SELECT COUNT(*), COUNT(1) FROM EMP; UPDATE EMP SET SAL = SAL * 1.10;

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DELETE FROM EMP WHERE EMPNO = 7566;

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SELECT * FROM EMP;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	сомм	DEPTNO
7369	SMITH	CLERK	7902	17-Dec-80	800	NULL	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	NULL	20
7654	MARTIN	SALESMAN	7698	28-Sep-81	1250	1400	30
7698	BLAKE	MANAGER	7839	01-May-81	2850	NULL	30
7782	CLARK	MANAGER	7839	09-Jun-81	2450	NULL	10
7788	SCOTT	ANALYST	7566	09-Dec-82	3000	NULL	20
7839	KING	PRESIDENT	NULL	17-Nov-81	5000	NULL	10
7844	TURNER	SALESMAN	7698	08-Sep-81	1500	0	30
7876	ADAMS	CLERK	7788	12-Jan-83	1100	NULL	20
7900	JAMES	CLERK	7698	03-Dec-81	950	NULL	30
7902	FORD	ANALYST	7566	03-Dec-81	3000	NULL	20
7934	MILLER	CLERK	7782	23-Jan-82	1300	NULL	10

SELECT * FROM DEPT;	SELECT * FROM SALGRADE;

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SELECT	e.EMPNO as	'EMPLOYEE_ID'	, e.ENAME as	'EMPLOYEE	NAME', e.JOB	as 'JOB', D.D	EPTNO, D.	DNAME as D	EPT
FROM	EMP e, DEPT	d							
WHERE									
AND			;						

SELECT e1.EMPNO as 'Employee_Id', e1.EN	NAME as 'Employee',	, e2.EMPNO as 'Manager	'_Id', e2.ENAME as 'Manager'
FROM EMP e1, EMP e2			
WHERE			
AND;			

CREATE VIEW EMP_V

AS

SELECT EMPNO, ENAME, JOB, DEPTNO FROM EMP WHERE JOB NOT IN ('PRESIDENT', 'MANAGER');

SELECT * FROM EMP_V;

COMMENT ON COLUMN EMP.COMM is 'Commission given to SALESMAN';

COMMENT ON TABLE DEPT is 'Master Table of Departments';

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