

**SQL – Sturctured Query Language**

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1 CREATE TABLE EMP
2   (EMPNO NUMBER(4) NOT NULL,
3   ENAME VARCHAR2(10),
4   JOB VARCHAR2(9),
5   MGR NUMBER(4),
6   HIREDATE DATE,
7   SAL NUMBER(7, 2),
8   COMM NUMBER(7, 2),
9   DEPTNO NUMBER(2));
10
11 INSERT INTO EMP VALUES
12 (7369, 'SMITH', 'CLERK', 7902,TO_DATE('17-DEC-1980', 'DD-MON-YYYY'), 800, NULL, 20);
13 INSERT INTO EMP VALUES
14 (7499, 'ALLEN', 'SALESMAN', 7698, TO_DATE('20-FEB-1981', 'DD-MON-YYYY'), 1600, 300, 30);
15 INSERT INTO EMP VALUES
16 (7521, 'WARD', 'SALESMAN', 7698, TO_DATE('22-FEB-1981', 'DD-MON-YYYY'), 1250, 500, 30);
17 INSERT INTO EMP VALUES
18 (7566, 'JONES', 'MANAGER', 7839, TO_DATE('2-APR-1981', 'DD-MON-YYYY'), 2975, NULL, 20);
19 INSERT INTO EMP VALUES
20 (7654, 'MARTIN', 'SALESMAN', 7698,TO_DATE('28-SEP-1981', 'DD-MON-YYYY'), 1250, 1400, 30);
21 INSERT INTO EMP VALUES
22 (7698, 'BLAKE', 'MANAGER', 7839,TO_DATE('1-MAY-1981', 'DD-MON-YYYY'), 2850, NULL, 30);
23 INSERT INTO EMP VALUES
24 (7782, 'CLARK', 'MANAGER', 7839,TO_DATE('9-JUN-1981', 'DD-MON-YYYY'), 2450, NULL, 10);
25 INSERT INTO EMP VALUES
26 (7788, 'SCOTT', 'ANALYST', 7566, TO_DATE('09-DEC-1982', 'DD-MON-YYYY'), 3000, NULL, 20);
27 INSERT INTO EMP VALUES
28 (7839, 'KING', 'PRESIDENT', NULL,TO_DATE('17-NOV-1981', 'DD-MON-YYYY'), 5000, NULL, 10);
29 INSERT INTO EMP VALUES
30 (7844, 'TURNER', 'SALESMAN', 7698, TO_DATE('8-SEP-1981', 'DD-MON-YYYY'), 1500, NULL, 30);
31 INSERT INTO EMP VALUES
32 (7876, 'ADAMS', 'CLERK', 7788, TO_DATE('12-JAN-1983', 'DD-MON-YYYY'), 1100, NULL, 20);
33 INSERT INTO EMP VALUES
34 (7900, 'JAMES', 'CLERK', 7698, TO_DATE('3-DEC-1981', 'DD-MON-YYYY'), 950, NULL, 30);
35 INSERT INTO EMP VALUES
36 (7902, 'FORD', 'ANALYST', 7566,TO_DATE('3-DEC-1981', 'DD-MON-YYYY'), 3000, NULL, 20);
37 INSERT INTO EMP VALUES
38 (7934, 'MILLER', 'CLERK', 7782,TO_DATE('23-JAN-1982', 'DD-MON-YYYY'), 1300, NULL, 10);
39
40 CREATE TABLE DEPT
41 (DEPTNO NUMBER(2),
42 DNAME VARCHAR2(14),
43 LOC VARCHAR2(13) );
44
45 INSERT INTO DEPT VALUES (10, 'ACCOUNTING', 'NEW YORK');
46 INSERT INTO DEPT VALUES (20, 'RESEARCH', 'DALLAS');
47 INSERT INTO DEPT VALUES (30, 'SALES', 'CHICAGO');
48 INSERT INTO DEPT VALUES (40, 'OPERATIONS', 'BOSTON');
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## SQL – Sturctured Query Language

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49
50 CREATE TABLE SALGRADE
51 (GRADE NUMBER,
52 LOSAL NUMBER,
53 HISAL NUMBER);
54
55 INSERT INTO SALGRADE VALUES (1, 700, 1200);
56 INSERT INTO SALGRADE VALUES (2, 1201, 1400);
57 INSERT INTO SALGRADE VALUES (3, 1401, 2000);
58 INSERT INTO SALGRADE VALUES (4, 2001, 3000);
59 INSERT INTO SALGRADE VALUES (5, 3001, 9999);
60
61 COMMIT;
62
63 SELECT * FROM EMP;
64

```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	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	NULL	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

```

65
66 SELECT * FROM DEPT;
67
68
69
70
71
72
73 SELECT * FROM SALGRADE;

```