SQL> CREATE TABLE emp (empno NUMBER(4) PRIMARY KEY,ename VARCHAR2(25),job VARCHAR2(12),salary NUMBER(10,2),commission NUMBER(7,2),deptno NUMBER(2));

Table created.

SQL> DESC emp;

Name Null? Type

----------------------------------------- -------- ----------------------------

EMPNO NOT NULL NUMBER(4)

ENAME VARCHAR2(25)

JOB VARCHAR2(12)

SALARY NUMBER(10,2)

COMMISSION NUMBER(7,2)

DEPTNO NUMBER(2)

SQL> INSERT INTO emp VALUES(&empno,'&ename','&job',&salary,&commission,&deptno);

Enter value for empno: 1001

Enter value for ename: TESMOL

Enter value for job: DESIGNER

Enter value for salary: 25000

Enter value for commission: 2500

Enter value for deptno: 1

old 1: INSERT INTO emp VALUES(&empno,'&ename','&job',&salary,&commission,&deptno)

new 1: INSERT INTO emp VALUES(1001,'TESMOL','DESIGNER',25000,2500,1)

1 row created.

SQL> INSERT INTO emp VALUES(&empno,'&ename','&job',&salary,&commission,&deptno);

Enter value for empno: 1002

Enter value for ename: THASNI

Enter value for job: ANALYST

Enter value for salary: 30000

Enter value for commission: 1500

Enter value for deptno: 2

old 1: INSERT INTO emp VALUES(&empno,'&ename','&job',&salary,&commission,&deptno)

new 1: INSERT INTO emp VALUES(1002,'THASNI','ANALYST',30000,1500,2)

1 row created.

SQL> INSERT INTO emp VALUES(&empno,'&ename','&job',&salary,&commission,&deptno);

Enter value for empno: 1003

Enter value for ename: THOMAS

Enter value for job: DEVELOPER

Enter value for salary: 50000

Enter value for commission: 5500

Enter value for deptno: 3

old 1: INSERT INTO emp VALUES(&empno,'&ename','&job',&salary,&commission,&deptno)

new 1: INSERT INTO emp VALUES(1003,'THOMAS','DEVELOPER',50000,5500,3)

1 row created.

SQL> INSERT INTO emp VALUES(&empno,'&ename','&job',&salary,&commission,&deptno);

Enter value for empno: 1004

Enter value for ename: TOBIN

Enter value for job: CLERK

Enter value for salary: 26000

Enter value for commission: 10000

Enter value for deptno: 4

old 1: INSERT INTO emp VALUES(&empno,'&ename','&job',&salary,&commission,&deptno)

new 1: INSERT INTO emp VALUES(1004,'TOBIN','CLERK',26000,10000,4)

1 row created.

SQL> set linesize 100;

SQL> SELECT \* FROM emp;

EMPNO ENAME JOB SALARY COMMISSION DEPTNO

---------- ------------------------- ------------ ---------- ---------- ----------

1001 TESMOL DESIGNER 25000 2500 1

1002 THASNI ANALYST 30000 1500 2

1003 THOMAS DEVELOPER 50000 5500 3

1004 TOBIN CLERK 26000 10000 4

SQL> UPDATE emp SET job='DATA ANALYST' WHERE job='ANALYST';

1 row updated.

SQL> SELECT \* FROM emp;

EMPNO ENAME JOB SALARY COMMISSION DEPTNO

---------- ------------------------- ------------ ---------- ---------- ----------

1001 TESMOL DESIGNER 25000 2500 1

1002 THASNI DATA ANALYST 30000 1500 2

1003 THOMAS DEVELOPER 50000 5500 3

1004 TOBIN CLERK 26000 10000 4

SQL> ALTER TABLE emp ADD dateJoin DATE;

Table altered.

SQL> SELECT \* FROM emp;

EMPNO ENAME JOB SALARY COMMISSION DEPTNO DATEJOIN

---------- ------------------------- ------------ ---------- ---------- ---------- ---------

1001 TESMOL DESIGNER 25000 2500 1

1002 THASNI DATA ANALYST 30000 1500 2

1003 THOMAS DEVELOPER 50000 5500 3

1004 TOBIN CLERK 26000 10000 4

SQL> UPDATE emp SET dateJoin='17-DEC-21';

4 rows updated.

SQL> SELECT \* FROM emp;

EMPNO ENAME JOB SALARY COMMISSION DEPTNO DATEJOIN

---------- ------------------------- ------------ ---------- ---------- ---------- ---------

1001 TESMOL DESIGNER 25000 2500 1 17-DEC-21

1002 THASNI DATA ANALYST 30000 1500 2 17-DEC-21

1003 THOMAS DEVELOPER 50000 5500 3 17-DEC-21

1004 TOBIN CLERK 26000 10000 4 17-DEC-21

SQL> SELECT DISTINCT job FROM emp;

JOB

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DESIGNER

CLERK

DATA ANALYST

DEVELOPER

SQL> SELECT empno,ename,job FROM emp;

EMPNO ENAME JOB

---------- ------------------------- ------------

1001 TESMOL DESIGNER

1002 THASNI DATA ANALYST

1003 THOMAS DEVELOPER

1004 TOBIN CLERK

SQL> SELECT ename,sum(salary+commission) FROM emp GROUP BY ename;

ENAME SUM(SALARY+COMMISSION)

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TESMOL 27500

THOMAS 55500

TOBIN 36000

THASNI 31500

SQL> SELECT SUM(salary) FROM emp;

SUM(SALARY)

-----------

131000

SQL> SELECT SUM(salary+commission) FROM emp GROUP BY job;

SUM(SALARY+COMMISSION)

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27500

36000

31500

55500

SQL> SELECT ename FROM emp WHERE deptno=1 OR deptno=3;

ENAME

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TESMOL

THOMAS