SET -1

SQL> CREATE TABLE EMP(EMPNO NUMBER(4) PRIMARY KEY,Ename VARCHAR(20),Job VARCHAR(20),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(20)

JOB VARCHAR2(20)

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: 1

Enter value for ename: anu

Enter value for job: manager

Enter value for salary: 75000

Enter value for commission: 5000

Enter value for deptno: 11

old 1: INSERT INTO EMP VALUES(&Empno,'&Ename','&Job',&Salary,&Commission,&deptno)

new 1: INSERT INTO EMP VALUES(1,'anu','manager',75000,5000,11)

1 row created.

SQL> /

Enter value for empno: 2

Enter value for ename: vishnu

Enter value for job: developer

Enter value for salary: 60000

Enter value for commission: 10000

Enter value for deptno: 22

old 1: INSERT INTO EMP VALUES(&Empno,'&Ename','&Job',&Salary,&Commission,&deptno)

new 1: INSERT INTO EMP VALUES(2,'vishnu','analyst',60000,10000,22)

1 row created.

SQL> /

Enter value for empno: 3

Enter value for ename: anju

Enter value for job:

Enter value for salary: 30000

Enter value for commission: 6000

Enter value for deptno: 24

old 1: INSERT INTO EMP VALUES(&Empno,'&Ename','&Job',&Salary,&Commission,&deptno)

new 1: INSERT INTO EMP VALUES(3,'anju','',30000,6000,24)

1 row created.

SQL> SELECT \* FROM EMP;

EMPNO ENAME JOB SALARY COMMISSION DEPTNO

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

1 anu manager 75000 5000 11

2 vishnu analyst 60000 10000 22

3 anju NULL 30000 6000 24

SQL> UPDATE EMP SET Job='clerk' WHERE Job='NULL';

1 row updated.

SQL> ALTER TABLE EMP ADD(dOJ DATE);

Table altered.

SQL> UPDATE EMP SET doj='17-DEC-80';

3 rows updated.

SQL> SELECT \* FROM EMP;

EMPNO ENAME JOB SALARY COMMISSION DEPTNO DOJ

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

1 anu manager 75000 5000 11 17-DEC-80

2 vishnu data\_analyst 60000 10000 22 17-DEC-80

3 anju clerk 30000 6000 24 17-DEC-80

SQL> SELECT DISTINCT Job FROM EMP;

JOB

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data\_analyst

clerk

manager

SQL> SELECT Empno,Ename,Job FROM EMP;

EMPNO ENAME JOB

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

1 anu manager

2 vishnu data\_analyst

3 anju clerk

SQL> SELECT Ename FROM EMP WHERE deptno=22;

ENAME

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

vishnu

SQL> SELECT Ename FROM EMP WHERE deptno=22 OR deptno=24;

ENAME

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

vishnu

anju

SQL> SELECT SUM(Salary) FROM EMP;

SUM(SALARY)

-----------

165000

SQL> SELECT Ename, SUM(Salary+Commission) FROM EMP GROUP BY Ename ;

ENAME SUM(SALARY+COMMISSION)

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

anju 36000

anu 80000

vishnu 70000

SQL> UPDATE EMP SET Salary=Salary+Commission;

3 rows updated.

SQL> SELECT \* FROM EMP;

EMPNO ENAME JOB SALARY COMMISSION DEPTNO DOJ

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

1 anu manager 80000 5000 11 17-DEC-80

2 vishnu data\_analyst 70000 10000 22 17-DEC-80

3 anju clerk 36000 6000 24 17-DEC-80

SQL> ALTER TABLE EMP DROP COLUMN Commission ;

Table altered.

SQL> SELECT \* FROM EMP;

EMPNO ENAME JOB SALARY DEPTNO DOJ

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

1 anu manager 80000 11 17-DEC-80

2 vishnu data\_analyst 70000 22 17-DEC-80

3 anju clerk 36000 24 17-DEC-80

SQL> ALTER TABLE EMP RENAME COLUMN Ename TO Empname;

Table altered.

SQL> SELECT \* FROM EMP;

EMPNO EMPNAME JOB SALARY DEPTNO DOJ

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

1 anu manager 80000 11 17-DEC-80

2 vishnu data\_analyst 70000 22 17-DEC-80

3 anju clerk 36000 24 17-DEC-80

SQL> ALTER TABLE EMP RENAME TO EEMP;

Table altered.