1. SQL> CREATE TABLE EMPLOYEE(emp\_no NUMBER(10) PRIMARY KEY,emp\_name VARCHAR(20),job VARCHAR(20),mgr NUMBER(10),sal NUMBER(10));

Table created.

SQL> DESC EMPLOYEE;

Name Null? Type

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

EMP\_NO NOT NULL NUMBER(10)

EMP\_NAME VARCHAR2(20)

JOB VARCHAR2(20)

MGR NUMBER(10)

SAL NUMBER(10)

SQL> INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal);

Enter value for emp\_no: 1

Enter value for emp\_name: sudev

Enter value for job: sales executive

Enter value for mgr: 2

Enter value for sal: 30000

old 1: INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal)

new 1: INSERT INTO EMPLOYEE VALUES(1,'sudev','sales executive',2,30000)

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal);

Enter value for emp\_no: 2

Enter value for emp\_name: rony

Enter value for job: trainee

Enter value for mgr: 3

Enter value for sal: 40000

old 1: INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal)

new 1: INSERT INTO EMPLOYEE VALUES(2,'rony','trainee',3,40000)

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal);

Enter value for emp\_no: 3

Enter value for emp\_name: qwerty

Enter value for job: manager

Enter value for mgr: 4

Enter value for sal: 50000

old 1: INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal)

new 1: INSERT INTO EMPLOYEE VALUES(3,'qwerty','manager',4,50000)

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal);

Enter value for emp\_no: 4

Enter value for emp\_name: root

Enter value for job: sales associate

Enter value for mgr: 5

Enter value for sal: 20000

old 1: INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal)

new 1: INSERT INTO EMPLOYEE VALUES(4,'root','sales associate ',5,20000)

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal);

Enter value for emp\_no: 5

Enter value for emp\_name: bell

Enter value for job: manager

Enter value for mgr: 6

Enter value for sal: 10000

old 1: INSERT INTO EMPLOYEE VALUES(&emp\_no,'&emp\_name','&job',&mgr,&sal)

new 1: INSERT INTO EMPLOYEE VALUES(5,'bell','manager',6,10000)

1 row created.

SQL> UPDATE EMPLOYEE SET job='trainee' WHERE emp\_no=4);

UPDATE EMPLOYEE SET job='trainee' WHERE emp\_no=4)

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> UPDATE EMPLOYEE SET job='trainee' WHERE emp\_no=4;

1 row updated.

SQL> ALTER TABLE EMPLOYEE RENAME COLUMN mgr to manager\_no;

Table altered.

SQL> DELETE EMPLOYEE WHERE emp\_no=5;

1 row deleted.

SQL> SELECT \* FROM EMPLOYEE

2 SELECT \* FROM EMPLOYEE;

SELECT \* FROM EMPLOYEE

\*

ERROR at line 2:

ORA-00933: SQL command not properly ended

SQL> SELECT \* FROM EMPLOYEE;

EMP\_NO EMP\_NAME JOB MANAGER\_NO SAL

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

1 sudev sales executive 2 30000

2 rony trainee 3 40000

3 qwerty manager 4 50000

4 root trainee 5 20000

1. SQL> CREATE TABLE DEPARTMENT(Dept\_no NUMBER(10) PRIMARY KEY,Dept\_name VARCHAR(20),location VARCHAR(20));

Table created.

SQL> ALTER TABLE DEPARTMENT ADD(designation VARCHAR(20));

Table altered.

SQL> INSERT INTO DEPARTMENT VALUES(&Dept\_no,'&Dept\_name','&location','&designation');

Enter value for dept\_no: 1

Enter value for dept\_name: MCA

Enter value for location: 3

Enter value for designation: ASSOCIATE PROFESSOR

old 1: INSERT INTO DEPARTMENT VALUES(&Dept\_no,'&Dept\_name','&location','&designation')

new 1: INSERT INTO DEPARTMENT VALUES(1,'MCA','3','ASSOCIATE PROFESSOR')

1 row created.

SQL> INSERT INTO DEPARTMENT VALUES(&Dept\_no,'&Dept\_name','&location','&designation');

Enter value for dept\_no: 2

Enter value for dept\_name: MBA

Enter value for location: 5

Enter value for designation: ASSISTANT PROFESSOR

old 1: INSERT INTO DEPARTMENT VALUES(&Dept\_no,'&Dept\_name','&location','&designation')

new 1: INSERT INTO DEPARTMENT VALUES(2,'MBA','5','ASSISTANT PROFESSOR')

1 row created.

SQL> SELECT Dept\_no,Dept\_name FROM DEPARTMENT GROUP BY Dept\_no,Dept\_name;

DEPT\_NO DEPT\_NAME

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

1 MCA

2 MBA

SQL> UPDATE DEPARTMENT SET Dept\_name='MCOM' WHERE Dept\_no='2';

1 row updated.

SQL> SELECT \* FROM DEPARTMENT;

DEPT\_NO DEPT\_NAME LOCATION DESIGNATION

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

1 MCA 3 ASSOCIATE PROFESSOR

2 MCOM 5 ASSISTANT PROFESSOR

SQL> UPDATE DEPARTMENT SET location='francis block' WHERE location='3';

1 row updated.

SQL> UPDATE DEPARTMENT SET location='Einstein block' WHERE location='5';

1 row updated.

SQL> ALTER TABLE DEPARTMENT DROP COLUMN location;

Table altered.

SQL> SELECT \* FROM DEPARTMENT;

DEPT\_NO DEPT\_NAME DESIGNATION

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

1 MCA ASSOCIATE PROFESSOR

2 MCOM ASSISTANT PROFESSOR

SQL> CREATE TABLE CUST(c\_name VARCHAR2(20),c\_street VARCHAR2(20),c\_city VARCHAR2(20));

Table created.

SQL> INSERT INTO CUST VALUES(&c\_name,&c\_street,&c

2

SQL> INSERT INTO CUST VALUES(&c\_name,&c\_street,&c\_city);

Enter value for c\_name: ROHIT

Enter value for c\_street: MADGAON

Enter value for c\_city: GOA

old 1: INSERT INTO CUST VALUES(&c\_name,&c\_street,&c\_city)

new 1: INSERT INTO CUST VALUES(ROHIT,MADGAON,GOA)

INSERT INTO CUST VALUES(ROHIT,MADGAON,GOA)

\*

ERROR at line 1:

ORA-00984: column not allowed here

SQL> INSERT INTO CUST VALUES('&c\_name','&c\_street','&c\_city');

Enter value for c\_name: ROHIT

Enter value for c\_street: MADGAON

Enter value for c\_city: GOA

old 1: INSERT INTO CUST VALUES('&c\_name','&c\_street','&c\_city')

new 1: INSERT INTO CUST VALUES('ROHIT','MADGAON','GOA')

1 row created.

SQL> ALTER TABLE CUST ADD(salary);

ALTER TABLE CUST ADD(salary)

\*

ERROR at line 1:

ORA-02263: need to specify the datatype for this column

SQL> ALTER TABLE CUST ADD(salary NUMBER(20));

Table altered.

SQL> ALTER TABLE CUST DROP(salary);

Table altered.

SQL> SELECT \* FROM CUST;

C\_NAME C\_STREET C\_CITY

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

ROHIT MADGAON GOA

SQL> INSERT INTO CUST VALUES('&c\_name','&c\_street','&c\_city');

Enter value for c\_name: VIRAT

Enter value for c\_street: PORBANDAR

Enter value for c\_city: GUJARAT

old 1: INSERT INTO CUST VALUES('&c\_name','&c\_street','&c\_city')

new 1: INSERT INTO CUST VALUES('VIRAT','PORBANDAR','GUJARAT')

1 row created.

SQL> DELETE FROM CUST WHERE c\_city='GUJARAT';

1 row deleted.

SQL> SELECT \* FROM CUST

2

SQL> SELECT \* FROM CUST;

C\_NAME C\_STREET C\_CITY

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

ROHIT MADGAON GOA

SQL> INSERT INTO CUST VALUES('&c\_name','&c\_street','&c\_city');

Enter value for c\_name: DHONI

Enter value for c\_street: RANCHI

Enter value for c\_city: CHIRAPPUNJI

old 1: INSERT INTO CUST VALUES('&c\_name','&c\_street','&c\_city')

new 1: INSERT INTO CUST VALUES('DHONI','RANCHI','CHIRAPPUNJI')

1 row created.

SQL> SELECT \* FROM CUST;

C\_NAME C\_STREET C\_CITY

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

ROHIT MADGAON GOA

DHONI RANCHI CHIRAPPUNJI

4. SQL> CREATE TABLE EMPL(e\_no NUMBER(10) PRIMARY KEY,e\_name VARCHAR2(25),job VARCHAR2(12),salary NUMBER(10,2),commission NUMBER(7,2),dept\_no NUMBER(5));

Table created.

SQL> DESC EMPL;

Name Null? Type

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

E\_NO NOT NULL NUMBER(10)

E\_NAME VARCHAR2(25)

JOB VARCHAR2(12)

SALARY NUMBER(10,2)

COMMISSION NUMBER(7,2)

DEPT\_NO NUMBER(5)

SQL> INSERT INTO EMPL VALUES(&e\_no PRIMARY KEY,'&e\_name','&job','&salary','&commission','&dept\_no');

Enter value for e\_no: 1

Enter value for e\_name: sumithmon

Enter value for job: assistant professor

Enter value for salary: 45000

Enter value for commission: 5000

Enter value for dept\_no: 3

old 1: INSERT INTO EMPL VALUES(&e\_no PRIMARY KEY,'&e\_name','&job','&salary','&commission','&dept\_no')

new 1: INSERT INTO EMPL VALUES(1 PRIMARY KEY,'sumithmon','assistant professor','45000','5000','3')

INSERT INTO EMPL VALUES(1 PRIMARY KEY,'sumithmon','assistant professor','45000','5000','3')

\*

ERROR at line 1:

ORA-00917: missing comma

SQL> INSERT INTO EMPL VALUES(&e\_no,'&e\_name','&job','&salary','&commission','&dept\_no');

Enter value for e\_no: 1

Enter value for e\_name: sumithmon

Enter value for job: assistant professor

Enter value for salary: 45000

Enter value for commission: 5000

Enter value for dept\_no: 3

old 1: INSERT INTO EMPL VALUES(&e\_no,'&e\_name','&job','&salary','&commission','&dept\_no')

new 1: INSERT INTO EMPL VALUES(1,'sumithmon','assistant professor','45000','5000','3')

INSERT INTO EMPL VALUES(1,'sumithmon','assistant professor','45000','5000','3')

\*

ERROR at line 1:

ORA-12899: value too large for column "C23MCA001"."EMPL"."JOB" (actual: 19,

maximum: 12)

SQL> INSERT INTO EMPL VALUES(&e\_no,'&e\_name','&job','&salary','&commission','&dept\_no');

Enter value for e\_no: 1

Enter value for e\_name: sumithmon

Enter value for job: dept head

Enter value for salary: 45000

Enter value for commission: 5000

Enter value for dept\_no: 3

old 1: INSERT INTO EMPL VALUES(&e\_no,'&e\_name','&job','&salary','&commission','&dept\_no')

new 1: INSERT INTO EMPL VALUES(1,'sumithmon','dept head','45000','5000','3')

1 row created.

SQL> INSERT job AS 'CLERK' FOR ALL 'NULL' job types;

INSERT job AS 'CLERK' FOR ALL 'NULL' job types

\*

ERROR at line 1:

ORA-00925: missing INTO keyword

SQL> INSERT JOB AS 'CLERK' FOR ALL 'NULL' JOB types;

INSERT JOB AS 'CLERK' FOR ALL 'NULL' JOB types

\*

ERROR at line 1:

ORA-00925: missing INTO keyword

SQL> INSERT job AS 'CLERK' FOR ALL 'NULL' JOB TYPES;

INSERT job AS 'CLERK' FOR ALL 'NULL' JOB TYPES

\*

ERROR at line 1:

ORA-00925: missing INTO keyword

SQL> UPDATE EMP SET JOB='CLERK' WHERE JOB='NULL';

UPDATE EMP SET JOB='CLERK' WHERE JOB='NULL'

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> UPDATE EMPL SET JOB='CLERK' WHERE JOB='NULL';

0 rows updated.

SQL> UPDATE EMPL SET JOB='DATA ANALYST' WHERE JOB='ANALYST';

0 rows updated.

SQL> ALTER TABLE EMP ADD(doj DATE);

ALTER TABLE EMP ADD(doj DATE)

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> ALTER TABLE EMPL ADD(doj DATE);

Table altered.

SQL> UPDATE EMPL SETdoj='17-DEC-80' WHERE DOJ='NULL';

UPDATE EMPL SETdoj='17-DEC-80' WHERE DOJ='NULL'

\*

ERROR at line 1:

ORA-00971: missing SET keyword

SQL> UPDATE EMPL SETdoj='17-DEC-80' WHERE doj='NULL';

UPDATE EMPL SETdoj='17-DEC-80' WHERE doj='NULL'

\*

ERROR at line 1:

ORA-00971: missing SET keyword

SQL> UPDATE EMPL SET doj='17-DEC-80' WHERE doj='NULL';

0 rows updated.

SQL> SELECT DISTINCT job FROM EMPL;

JOB

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

dept head

SQL> SELECT e\_no,e\_name,job FROM EMP;

SELECT e\_no,e\_name,job FROM EMP

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> SELECT e\_no,e\_name,job FROM EMPL;

E\_NO E\_NAME JOB

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

1 sumithmon dept head

SQL> SELECT DISTINCT job FROM EMPL;

JOB

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

dept head

SQL> SELECT e\_name FROM EMPL WHERE dept\_no='20';

no rows selected

SQL> SELECT e\_name FROM EMPL WHERE dept\_no=20 AND dept\_no=30;

no rows selected