Constraint - Unique Key

1. Write a query to create the table with primary key.  
2. Write a query to create the table with primary key by setting the name for primary key.  
3. Write a query to set primary key using alter query after the table is created.  
4. Write a query to deleted the primary key.  
5. Write a query to disable the primary key.   
6. Write a query to enable the primary key.

SQL> create table rooter (

2 id number(10),

3 name varchar2(20),

4 addr varchar2(50),

5 pno number(10)

6 );

Table created.

SQL> desc rooter

Name Null? Type

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

ID NUMBER(10)

NAME VARCHAR2(20)

ADDR VARCHAR2(50)

PNO NUMBER(10)

SQL> insert into rooter (id,name,addr,pno) values (&id,'&name','&addr',&pno);

Enter value for id: 1

Enter value for name: anand

Enter value for addr: covai

Enter value for pno: 12345

old 1: insert into rooter (id,name,addr,pno) values (&id,'&name','&addr',&pno

)

new 1: insert into rooter (id,name,addr,pno) values (1,'anand','covai',12345)

1 row created.

SQL> /

Enter value for id: 2

Enter value for name: bala

Enter value for addr: karur

Enter value for pno: 987456

old 1: insert into rooter (id,name,addr,pno) values (&id,'&name','&addr',&pno

)

new 1: insert into rooter (id,name,addr,pno) values (2,'bala','karur',987456)

1 row created.

SQL> alter table rooter add constraint rooter\_id unique(id,pno);

Table altered.

SQL> desc rooter

Name Null? Type

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

ID NUMBER(10)

NAME VARCHAR2(20)

ADDR VARCHAR2(50)

PNO NUMBER(10)

SQL> select \* from rooter

2 ;

ID NAME

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

ADDR PNO

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

1 anand

covai 12345

2 bala

karur 987456

SQL> insert into rooter (id,name,addr,pno) values (&id,'&name','&addr',&pno);

Enter value for id: 1

Enter value for name: anand

Enter value for addr: 12345

Enter value for pno: 12345

old 1: insert into rooter (id,name,addr,pno) values (&id,'&name','&addr',&pno

)

new 1: insert into rooter (id,name,addr,pno) values (1,'anand','12345',12345)

insert into rooter (id,name,addr,pno) values (1,'anand','12345',12345)

\*

ERROR at line 1:

ORA-00001: unique constraint (ANAND.ROOTER\_ID) violated

SQL> /

Enter value for id: 3

Enter value for name: anand

Enter value for addr: covai

Enter value for pno: 12345

old 1: insert into rooter (id,name,addr,pno) values (&id,'&name','&addr',&pno

)

new 1: insert into rooter (id,name,addr,pno) values (3,'anand','covai',12345)

1 row created.

SQL> select \* from rooter

2 ;

ID NAME

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

ADDR PNO

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

1 anand

covai 12345

2 bala

karur 987456

3 anand

covai 12345

SQL> alter table rooter drop constraint rooter\_id where id=1;

alter table rooter drop constraint rooter\_id where id=1

\*

ERROR at line 1:

ORA-01735: invalid ALTER TABLE option

SQL> alter table rooter drop constraint rooter\_id;

Table altered.

SQL> select \* from rooter;

ID NAME

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

ADDR PNO

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

1 anand

covai 12345

2 bala

karur 987456

3 anand

covai 12345

SQL> alter table rooter add constraint rooter\_id unique(id,pno);

Table altered.

SQL> alter table rooter disable constraint rooter\_id;

Table altered.

SQL> insert into rooter (id,name,addr,pno) values (&id,'&name','&addr',&pno);

Enter value for id: 1

Enter value for name: anand

Enter value for addr: covai

Enter value for pno: 12345

old 1: insert into rooter (id,name,addr,pno) values (&id,'&name','&addr',&pno

)

new 1: insert into rooter (id,name,addr,pno) values (1,'anand','covai',12345)

1 row created.

SQL> select \* from rooter;

ID NAME

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

ADDR PNO

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

1 anand

covai 12345

2 bala

karur 987456

3 anand

covai 12345

ID NAME

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

ADDR PNO

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

1 anand

covai 12345

SQL> alter table rooter enable constraint rooter\_id;

alter table rooter enable constraint rooter\_id

\*

ERROR at line 1:

ORA-02299: cannot validate (ANAND.ROOTER\_ID) - duplicate keys found

SQL>