--create table

create table dep08(dept\_no number(10), dname varchar2(10),

dmanager char(20),destablish date);

Desc dep08

--Adding Column /columns to existing table

alter table dep08 add(dlocation varchar2(10));

desc dept08

alter table dep08 add(pin varchar2(10),deptphone number);

desc 08

--changing the size of column

-- size can be reduced if there is not data or there is no data lost.

-- can convert char to number if data is not present

-- can convert number to char

alter table dep08 modify(pin number(10));

--MArk column as unused so that it is not visible in select statement

--Once Unused can't convert to use

alter table dep08 set unused column pin;

--only for Sysadmin

select \* from dba\_unused\_col\_tabs where table\_name='DEP08'

--Droping unused column Autocommit

ALTER TABLE dep08 DROP UNUSED COLUMNS;

--Droping Column Autocommit

alter table dep08 drop column deptphone;

--Create table from existing table

create table dept09 as select \* from departments;

create table dept10 as select department\_id as DID, department\_name as Dname from departments

where department\_id>70

--see the names owned by user

select table\_name from user\_tables;

-- view different object types own by user

select distinct object\_type from user\_objects;

--view tables sequence index etc own by user

select \* from user\_catalog;

--create table with constraints;

--Column level constarints

-- By defult is NULL

create table dept01(did number(10) primary key, dname varchar2(10) NULL,

dlocation varchar2(10) not null, dman number(10) unique,

city varchar2(20) check(city in ('Mumbai','Pune' )));

--Following Gives Error

--Because on Column level constraint we can create only one PK

create table dept02(did number(10) primary key, dname varchar2(10) Primary key)

--Giving Name to Constraints

create table dept03(did number(10) constraint did\_pk primary key, dlocation varchar2(10) constraint dlocation not null)

-- See the constraints of the table

SELECT constraint\_name, constraint\_type, search\_condition

FROM user\_constraints

WHERE table\_name = 'DEPT03';

--Foreign Key

create table SY\_D(rollno number(10)primary key, sname char(10));

create table SY\_D\_Marks(Rollno number(10), Sub1 char(20) ,sub1\_marks number(10),

constraints FK Foreign key(rollno)

references SY\_D(rollno))

create table SY\_D\_Marks1(Rollno number(10), Sub1 char(20) ,sub1\_marks number(10),

constraints FK1 Foreign key(rollno)

references SY\_D(rollno)on delete cascade )

-- Table Level Constraints;

create table dept13(did number(10), dname char(20), dlocation char(20), constraints PK Primary key(Did,dname),

constraint Uniq unique(dlocation));

desc dept13;

rename dept13 to dept14;

drop table \_\_\_\_

--Modifying Constraints

ALTER TABLE employees ADD CONSTRAINT emp\_manager\_fk FOREIGN KEY(manager\_id) REFERENCES employees(employee\_id);

--Droping Constrains

ALTER TABLE employees DROP CONSTRAINT emp\_manager\_fk;

ALTER TABLE departments DROP PRIMARY KEY CASCADE;

ALTER TABLE employees DISABLE CONSTRAINT emp\_emp\_id\_pk CASCADE;

ALTER TABLE employees ENABLE CONSTRAINT emp\_emp\_id\_pk;

ALTER TABLE test1 DROP (pk) CASCADE CONSTRAINTS;

ALTER TABLE test1 DROP (pk, fk, col1) CASCADE CONSTRAINTS;

--View Columns associated with constraints;

SELECT constraint\_name, column\_name FROM

user\_cons\_columns where table\_name='EMPLOYEES'