**CREATE TABLE with NULL CONSTRAINT**

=>create table employee(

empid int,

empname varchar(100),

empmobile bigint,

empaddress varchar(200),

empdob date

);

**CREATE TABLE to check values with CHECK CONSTRAINT**

=>create table employee(

empid int,

empname varchar(100),

empmobile bigint,

empaddress varchar(200),

empdob date,

empsalary int check(empsalary <55000)

);

OR

alter table employee add empsalary int check(empsalary<55000);

**CREATE TABLE with CHECK CONSTRAINT using IN operator**

=>alter table employee add depid int check(depid in(20,40)

**CREATE TABLE with CHECK CONSTRAINT and LIKE operator**

=>alter table employee modify empname varchar(100) check(empname like'A%');

**CREATE TABLE with AND and OR operator and CHECK CONSTRAINT**

=>create table employee1(

empid int,

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

constraint chk\_employee1 check((empage>=18 or empage<=60) AND empcity='Mumbai')

);

**UNIQUE CONSTRAINT**

=>create table employee(

empid int unique,

empname varchar(100),

empmobile bigint,

empaddress varchar(200),

empdob date

);

**UNIQUE CONSTRAINT check unique value**

=>create table employee(

empid int unique check(empid>1),

empname varchar(100),

empmobile bigint,

empaddress varchar(200),

empdob date

);

**CREATE TABLE with DEFAULT CONSTRAINT**

=>create table employee(

empid int,

empname varchar(100),

empmobile bigint,

empaddress varchar(200),

empdob date,

empsalary int default 10000

);

**CREATE TABLE with AUTO INCREMENT**

=>create table employee(

empid int auto\_increment,

empname varchar(100),

empmobile bigint,

empaddress varchar(200),

empdob date

);

**PRIMARY KEY CONSTRAINT**

=>create table employee(

empid int primary key,

empname varchar(100),

empmobile bigint,

empaddress varchar(200),

empdob date

);

**CREATE TABLE PRIMARY KEY CONSTRAINT on single column**

=>create table employee(

empid int primary key,

empname varchar(100),

empmobile bigint,

empaddress varchar(200),

empdob date

);

**CREATE TABLE PRIMARY KEY UNIQUE CONSTRAINT**

=>create table employee1(

empid int unique primary key,

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

constraint chk\_employee1 check(empage>=18 AND empcity='Mumbai')

);

**CREATE TABLE PRIMARY KEY on multiple columns**

=>create table employee2(

empid int,

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

primary key(empid,empname)

);

**creating table with FOREIGN KEY CONSTRAINT**

=>create table department(

deptid int primary key,

depname varchar(50)

);

create table employee3(

empid int primary key,

deptno int,

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

foreign key (deptno) references department(deptid)

);

**CREATE TABLE with FOREIGN KEY CONSTRAINT on multiple columns**

=>create table department(

deptid int,

deptname varchar(50),

primary key(deptid,deptname)

);

create table employee3(

empid int primary key,

deptno int,

deptname varchar(50),

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

constraint fk\_employee foreign key (deptno,deptname) references department(deptid,deptname)

);

**CREATE TABLE with FOREIGN KEY CONSTRAINT on multiple tables**

=>create table department(

deptid int primary key,

deptname varchar(50),

);

create table branch(

branchid int primary key,

branchname varchar(50),

deptno int,

foreign key (deptno) references department(deptid)

);

create table newemployee(

empid int primary key,

deptid int,

branchid int,

deptname varchar(50),

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

constraint fk\_employee foreign key (deptid,branchid) references branch(deptno,branchid)

);

**CREATE TABLE with CASCADE**

=>create table department(

deptid int,

deptname varchar(50),

primary key(deptid,deptname)

);

create table employee3(

empid int primary key,

deptno int,

deptname varchar(50),

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

constraint fk\_employee foreign key (deptno,deptname) references department(deptid,deptname) on delete cascade

);

**CREATE TABLE with SET NULL**

=>create table department(

deptid int,

deptname varchar(50),

primary key(deptid,deptname)

);

create table employee3(

empid int primary key,

deptno int,

deptname varchar(50),

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

constraint fk\_employee foreign key (deptno,deptname) references department(deptid,deptname) on delete set null

);

**CREATE TABLE with NO ACTION**

=>create table department(

deptid int,

deptname varchar(50),

primary key(deptid,deptname)

);

create table employee3(

empid int primary key,

deptno int,

deptname varchar(50),

empname varchar(100),

empcity varchar(50),

empage int,

empsalary int check(empsalary <55000),

constraint fk\_employee foreign key (deptno,deptname) references department(deptid,deptname) on delete no action

);