Constraint:

It specify some rules to users during data insertion  
Types:

1.NOT NULL

2.UNIQUE

3.Primary key

4.Foreign key

5.Check

6.Default constraint

1.NOT NULL:

1.It does not allow to user to insert the NULL values

2.If we want to make any field as mandatory then we will use NOT NULL

Syntax:

Create table table\_name(Col\_name data type NOT NULL,Col\_name data type,col\_name data type)

2.UNIQUE:

1.It does not allow duplicate values

2.It accept only UNIQUE values

Syntax:

Create table table\_name(Col\_name data type UNIQUE,Col\_name data type,col\_name data type)

Ex:

Create table custinformation(ID int UNIQUE,Cname varchar(25),Address varchar(25));

3.Primary key:

1.It is a combination of NOT NULL+UNIQUE key

2.It does not allow NULL & duplicate values

3.Each table has only one primary key

Syntax:

Create table table\_name(Col\_name data type Primary key,Col\_name data type,col\_name data type)

Ex:

Create table Per(ID int Primary key,Lastname varchar(25),Age int)

Insert into Personinformation(ID,Lastname,Age)Values(1,'Patil',25);

Insert into Personinformation(Lastname,Age)Values('Patil',25);

4.Foreign key:

1. It is used for mapping the relationship between two or more table

2.Primary key of one table is act as a foreign key of another table

3.Whatever the data you are inserting in foreign key table that should be present in primary key table

4.It can accept multiple duplicate values

5.It can accept multiple null values

Syntax:

Create table table\_name(Col\_name datatype,col\_name 2 data type,Col name 3 data type, foreign key(Col\_name) references table\_name(Col\_name));

Ex:

Create table orderi(orderid int,Oname varchar(25),id int,

foreign key(id) references customers(id));

Insert into orderi(Orderid,Oname,ID)Values(100,'Mobile',1);

Insert into orderi(Orderid,Oname,ID)Values(102,'Greentea',2);

Insert into orderi(Orderid,Oname)Values(104,'Kitchen');

How to apply muitiple foreign key in one table:

Create table orderi(orderid int,Oname varchar(25),id int,MRP int,

foreign key(id) references customers(id),

foreign key(MRP) references Price(MRP));