SQL> create table author(author\_id number(3),name varchar(25),email varchar(15),phone\_no number(15),status varchar(15),primary key(author\_id));

Table created.

SQL> describe author;

Name Null? Type

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

AUTHOR\_ID NOT NULL NUMBER(3)

NAME VARCHAR2(25)

EMAIL VARCHAR2(15)

PHONE\_NO NUMBER(15)

STATUS VARCHAR2(15)

SQL> create table publisher(publisher\_id number(3),name varchar(20),address varchar(50),

primary key(publisher\_id));

Table created.

SQL> describe publisher;

Name Null? Type

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

PUBLISHER\_ID NOT NULL NUMBER(3)

NAME VARCHAR2(20)

ADDRESS VARCHAR2(50)

SQL> create table member(member\_id number(5),name varchar(20),branch\_code number(10),roll\_no number(5),phone\_no number(15),email\_id varchar(20),date\_of\_join varchar(10),status varchar(15),primary key(member\_id));

Table created.

SQL> describe member;

Name Null? Type

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

MEMBER\_ID NOT NULL NUMBER(5)

NAME VARCHAR2(20)

BRANCH\_CODE NUMBER(10)

ROLL\_NO NUMBER(5)

PHONE\_NO NUMBER(15)

EMAIL\_ID VARCHAR2(20)

DATE\_OF\_JOIN VARCHAR2(10)

STATUS VARCHAR2(15)

SQL> create table language(language\_id number(5),name varchar(20),primary key(language\_id));

Table created.

SQL> describe language;

Name Null? Type

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

LANGUAGE\_ID NOT NULL NUMBER(5)

NAME VARCHAR2(20)

SQL> create table book(book\_id number(5),title varchar(30),language\_id number(5),mrp number(8),publisher\_id number(3),published\_date varchar(10),volume number(3),status varchar(15),primary key(book\_id),foreign key(language\_id) references language(language\_id),foreign key(publisher\_id) references publisher(publisher\_id));

Table created.

SQL> describe book;

Name Null? Type

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

BOOK\_ID NOT NULL NUMBER(5)

TITLE VARCHAR2(30)

LANGUAGE\_ID NUMBER(5)

MRP NUMBER(8)

PUBLISHER\_ID NUMBER(3)

PUBLISHED\_DATE VARCHAR2(10)

VOLUME NUMBER(3)

STATUS VARCHAR2(15)

SQL> create table book\_author(book\_id number(5),author\_id number(3),foreign key(book\_id) references book(book\_id),foreign key(author\_id) references author(author\_id),primary key(book\_id,author\_id));

Table created.

SQL> describe book\_author;

Name Null? Type

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

BOOK\_ID NOT NULL NUMBER(5)

AUTHOR\_ID NOT NULL NUMBER(3)

SQL> create table book\_issue(issue\_id number(5),date\_of\_issue varchar(15),book\_id number(5),member\_id number(5),expected\_date\_of\_return varchar(15),foreign key(book\_id) references book(book\_id),foreign key(member\_id) references member(member\_id));

Table created.

SQL> describe book\_issue;

Name Null? Type

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

ISSUE\_ID NUMBER(5)

DATE\_OF\_ISSUE VARCHAR2(15)

BOOK\_ID NUMBER(5)

MEMBER\_ID NUMBER(5)

EXPECTED\_DATE\_OF\_RETURN VARCHAR2(15)

SQL> create table book\_return(issue\_id number(5),actual\_date\_of\_return varchar(15),

late\_days number(4),late\_fee number(5),primary key(issue\_id),foreign key(issue\_id)

references book\_return(issue\_id));

Table created.

SQL> describe book\_return;

Name Null? Type

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

ISSUE\_ID NOT NULL NUMBER(5)

ACTUAL\_DATE\_OF\_RETURN VARCHAR2(15)

LATE\_DAYS NUMBER(4)

LATE\_FEE NUMBER(5)

SQL> create table late\_fee\_rule(from\_days number(2),to\_days number(4),amount number(8),primary key(to\_days,from\_days));

Table created.

SQL> describe late\_fee\_rule;

Name Null? Type

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

FROM\_DAYS NUMBER(2)

TO\_DAYS NUMBER(4)

AMOUNT NUMBER(8)

alter table book add(number\_of\_pages number(3));

table BOOK altered.

desc book;

Name Null Type

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

BOOK\_ID NOT NULL NUMBER(5)

TITLE VARCHAR2(30)

LANGUAGE\_ID NUMBER(5)

MRP NUMBER(8)

PUBLISHER\_ID NUMBER(3)

PUBLISHED\_DATE VARCHAR2(10)

VOLUME NUMBER(3)

STATUS VARCHAR2(15)

NUMBER\_OF\_PAGES NUMBER(3)

alter table member modify (branch\_code varchar(6));

table MEMBER altered.

desc member;

Name Null Type

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

MEMBER\_ID NOT NULL NUMBER(5)

NAME VARCHAR2(20)

BRANCH\_CODE VARCHAR2(6)

ROLL\_NO NUMBER(5)

PHONE\_NO NUMBER(15)

EMAIL\_ID VARCHAR2(20)

DATE\_OF\_JOIN VARCHAR2(10)

STATUS VARCHAR2(15)

insert into language values(01,'English');

1 rows inserted.

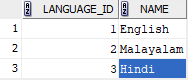
insert into language values(02,'Malayalam');

1 rows inserted.

insert into language values(03,'Hindi');

1 rows inserted.

select \* from language;



insert into publisher values(01,'DC books','Trivandrum');

1 rows inserted.

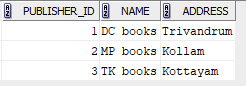
insert into publisher values(02,'MP books','Kollam');

1 rows inserted.

insert into publisher values(03,'TK books','Kottayam');

1 rows inserted.

SELECT \* FROM publisher;



insert into book values(01,'NoteBook',01,120,02,'20-04-2001',1,'active',160);

1 rows inserted.

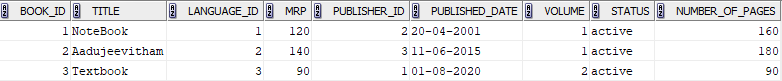
insert into book values(02,'Aadujeevitham',02,140,03,'11-06-2015',1,'active',180);

1 rows inserted.

insert into book values(03,'Textbook',03,90,01,'01-08-2020',2,'active',90);

1 rows inserted.

select \* from book;



insert into member values(1,'Advait','C05',4,9876098346,'advait@gmail.com','21-06-2020','active');

1 rows inserted.

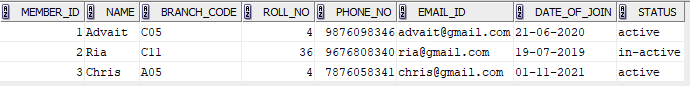
insert into member values(2,'Ria','C11',36,9676808340,'ria@gmail.com','19-07-2019','in-active');

1 rows inserted.

insert into member values(3,'Chris','A05',4,7876058341,'chris@gmail.com','01-11-2021','active');

1 rows inserted.

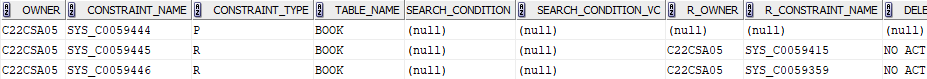
select \* from member;



SELECT \* FROM USER\_CONSTRAINTS WHERE TABLE\_NAME ='PUBLISHER';



SELECT \* FROM USER\_CONSTRAINTS WHERE TABLE\_NAME ='BOOK';



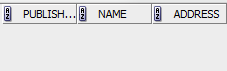
ALTER TABLE BOOK DISABLE CONSTRAINT SYS\_C0059446;

table BOOK altered.

TRUNCATE TABLE PUBLISHER;

table PUBLISHER truncated.

Select \* from publisher;



insert into author values(1,'Benchamin','benc@gmail.com',7364920451,'active');

1 rows inserted.

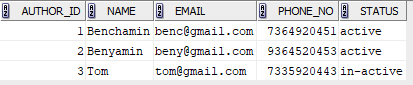
insert into author values(2,'Benyamin','beny@gmail.com',9364520453,'active');

1 rows inserted.

insert into author values(3,'Tom','tom@gmail.com',7335920443,'in-active');

1 rows inserted.

select \* from author;



insert into book\_author values(1,2);

1 rows inserted.

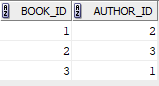
insert into book\_author values(2,3);

1 rows inserted.

insert into book\_author values(3,1);\

1 rows inserted.

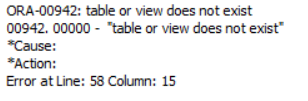
select \* from book\_author;



drop table author;

table author dropped;

select \* from author;

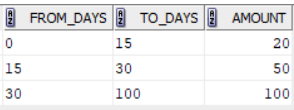


insert into late\_fee\_rule values('0','15',20);

insert into late\_fee\_rule values('15','30',50);

insert into late\_fee\_rule values('30','100',100);

select \* from late\_fee\_rule;



alter table late\_fee\_rule rename to fine;

table late\_fee\_rule altered.

select \* from fine;

