Name- Dhwani.Bharat.Dodiya

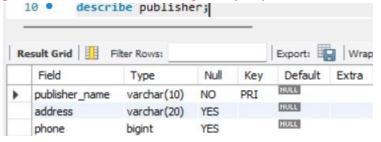
Course- GDSP batch 5

- Creating databaSse create database library_;
- Changing the current database Use library_;
- 3. Creating the PUBLISHER table

/*creating PUBLISHER table*/

create table publisher(

publisher_name varchar (10) primary key,address varchar (20),phone bigint(10));

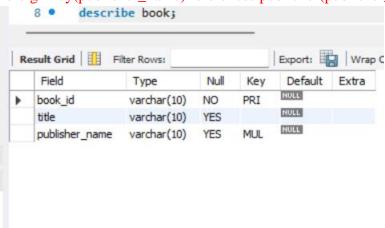


4. Creating the BOOK table where foreign key is used once

/*creating BOOK table*/

create table book(

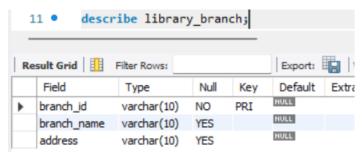
book_id varchar (10) primary key,title varchar (10),publisher_name varchar (10), foreign key(publisher_name) references publisher(publisher_name));



5. Creating the LIBRARY BRANCH table

create table library_branch(

branch_id varchar (10) primary key,branch_name varchar (10),address varchar (10));

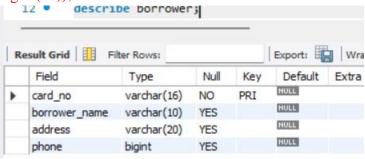


6. Creating the BORROWER table

/*creating BORROWER table*/

create table borrower(

card_no varchar (16) primary key,borrower_name varchar(10),address varchar (20),phone bigint(10));



7. Creating BOOK LOANS table where foreign key is used thrice

/*creating BOOK_LOANS table*/

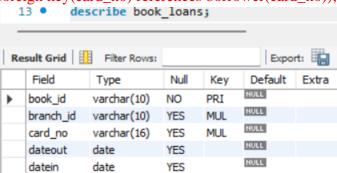
create table book_loans(

book_id varchar (10) primary key,branch_id varchar (10),card_no varchar(16),dateout date,datein date,

foreign key(book_id) references book(book_id),

foreign key(branch id) references library branch(branch id),

foreign key(card_no) references borrower(card_no));



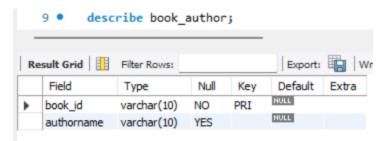
8. Creating BOOK AUTHOR table where foreign key is used once

/*creating BOOK_AUTHOR table*/

create table book_author(

book_id varchar(10) primary key,authorname varchar(10),

foreign key(book_id) references book(book_id));



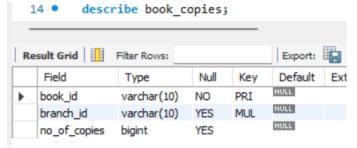
9. Creating BOOK COPIES table where foreign key is used twice

/*creating BOOK_COPIES table*/

create table book_copies(

book_id varchar(10) primary key,branch_id varchar (10),no_of_copies bigint(10), foreign key(book_id) references book(book_id),

foreign key(branch_id) references library_branch(branch_id));



10. Showing all the tables

Show tables:

