CREATE TABLE BOOK(

BOOKID NUMBER NOT NULL,

BOOKNAME VARCHAR2(20) NOT NULL,

AUTHORID NUMBER NOT NULL,

PUBLISHERID NUMBER NOT NULL,

EDITION VARCHAR2(20),

NO\_OF\_COPIES NUMBER NOT NULL,

CATEGORY VARCHAR2(20),

STATUS VARCHAR2(20) DEFAULT 'active',

PRIMARY KEY(BOOKID)

);

drop table BOOK CASCADE CONSTRAINTS;

DROP TABLE PUBLISHER CASCADE CONSTRAINTS;

DROP TABLE AUTHOR CASCADE CONSTRAINTS;

DROP TABLE USERTABLE CASCADE CONSTRAINTS;

DROP TABLE ROLE CASCADE CONSTRAINTS;

DROP TABLE DEPARTMENT CASCADE CONSTRAINTS;

DROP TABLE BOOKISSUE CASCADE CONSTRAINTS;

DROP TABLE PAYMENT CASCADE CONSTRAINTS;

CREATE TABLE ROLE(

ROLEID NUMBER NOT NULL,

ROLENAME VARCHAR2(20) NOT NULL,

PRIMARY KEY(ROLEID)

);

CREATE TABLE PAYMENT(

USERID NUMBER NOT NULL,

RETURNID NUMBER NOT NULL,

TOTALFINE NUMBER

);

CREATE TABLE PUBLISHER(

PUBLISHERID NUMBER NOT NULL,

PUBLISHERNAME VARCHAR2(20) NOT NULL,

PUBLISHERCONTACT NUMBER NOT NULL,

PUBLISHER\_EMAILID VARCHAR2(20) NOT NULL UNIQUE,

PUBLISHERADDRESS VARCHAR2(20) NOT NULL,

PRIMARY KEY(PUBLISHERID)

);

CREATE TABLE AUTHOR(

AUTHORID NUMBER NOT NULL,

AUTHORNAME VARCHAR2(20) NOT NULL,

DESCRIPTION VARCHAR2(20) NOT NULL,

PRIMARY KEY(AUTHORID)

);

CREATE TABLE DEPARTMENT(

DEPARTMENTID NUMBER NOT NULL ,

DEPARTMENTNAME VARCHAR2(20) NOT NULL,

STATUS VARCHAR2(20) DEFAULT 'active',

PRIMARY KEY(DEPARTMENTID)

);

CREATE TABLE BOOKISSUE(

USERID NUMBER NOT NULL,

BOOKID NUMBER NOT NULL,

ISSUEID NUMBER NOT NULL,

ISSUEDATE DATE NOT NULL,

RETURNDATE DATE NOT NULL,

PRIMARY KEY(ISSUEID)

);

CREATE TABLE USERTABLE(

USERID NUMBER NOT NULL,

ROLEID NUMBER NOT NULL ,

FIRSTNAME VARCHAR2(20) NOT NULL,

LASTNAME VARCHAR2(20) NOT NULL,

ADDRESS VARCHAR2(20) NOT NULL,

EMAIL\_ID VARCHAR2(20) NOT NULL UNIQUE,

CONTACT NUMBER NOT NULL,

DEPARTMENTID NUMBER NOT NULL,

PASSWORD VARCHAR2(20) NOT NULL,

STATUS VARCHAR2(20) DEFAULT 'active',

PRIMARY KEY(USERID)

);

CREATE TABLE RETURNBOOK(

ISSUEID NUMBER NOT NULL,

FINE NUMBER

);

ALTER TABLE BOOKISSUE ADD FOREIGN KEY(USERID) REFERENCES USERTABLE(USERID);

ALTER TABLE BOOKISSUE ADD FOREIGN KEY(BOOKID) REFERENCES BOOK(BOOKID);

ALTER TABLE USERTABLE ADD FOREIGN KEY(DEPARTMENTID) REFERENCES DEPARTMENT(DEPARTMENTID);

ALTER TABLE USERTABLE ADD FOREIGN KEY(ROLEID) REFERENCES ROLE(ROLEID);

ALTER TABLE RETURNBOOK ADD FOREIGN KEY(ISSUEID) REFERENCES BOOKISSUE(ISSUEID);

ALTER TABLE PAYMENT ADD FOREIGN KEY(USERID) REFERENCES USERTABLE(USERID);

ALTER TABLE PAYMENT ADD FOREIGN KEY(RETURNID) REFERENCES RETURNBOOK(RETURNID);

ALTER TABLE BOOK ADD FOREIGN KEY(AUTHORID) REFERENCES AUTHOR(AUTHORID);

ALTER TABLE BOOK ADD FOREIGN KEY(PUBLISHERID) REFERENCES PUBLISHER(PUBLISHERID);