CREATE DATABASE Library;

CREATE TABLE BOOK(

Book\_id int,

Title varchar(15),

Language\_id INT,

MRP float,

Publisher\_id INT,

Publisher\_Date DATE,

Volume int,

Status varchar(15),

PRIMARY KEY(Book\_id),

FOREIGN KEY(Language\_id)REFERENCES LANGUAGES(Language\_id),

FOREIGN KEY(Publisher\_id)REFERENCES PUBLISHER(Publisher\_id)

);

INSERT INTO BOOK VALUES(101,'INVISIBLE MAN',201,400,401,'26-12-2001',10,'AVAILABLE');

INSERT INTO BOOK VALUES(102,'C#',202,900,402,'06-06-2010',5,'NOT AVAILABLE');

INSERT INTO BOOK VALUES(103,'MY STRANGE HERO',203,800,403,'28-10-2011',12,'AVAILABLE');

CREATE TABLE AUTHOR(

Author\_id INT,

A\_Name varchar(15),

Email VARCHAR(15),

Phone\_Number int,

Status VARCHAR(15),

PRIMARY KEY(Author\_id)

);

INSERT INTO AUTHOR VALUES(301,'B.B.ROY','roy@gmail.com',987654321,'AVAILABLE');

INSERT INTO AUTHOR VALUES(302,'ARUNDHATHI ROY','aroy@gmail.com',123456789,'NOT AVAILABLE');

INSERT INTO AUTHOR VALUES(303,'SEUNG HO','ho@gmail.com',7306159179,'AVAILABLE');

CREATE TABLE BOOK\_AUTHOR(

Book\_Id int,

Author\_Id INT,

PRIMARY KEY(Book\_Id)

);

INSERT INTO BOOK\_AUTHOR VALUES(101,301);

INSERT INTO BOOK\_AUTHOR VALUES(102,302);

INSERT INTO BOOK\_AUTHOR VALUES(103,303);

CREATE TABLE PUBLISHER(

Publisher\_id INT,

P\_Name VARCHAR(15),

Address varchar(15),

primary key(Publisher\_id)

);

INSERT INTO PUBLISHER VALUES(401,'JEON','BUSAN');

INSERT INTO PUBLISHER VALUES(402,'JOHN','UK');

INSERT INTO PUBLISHER VALUES(403,'KIM','SEUOL');

CREATE TABLE MEMBERS(

Members\_id int,

M\_Name varchar(60),

Branch\_code int,

Roll\_number INT,

Phone\_number int,

Email\_id VARCHAR(125),

Date\_of\_Join DATE,

Status int,

primary key(Members\_id)

);

INSERT INTO MEMBERS VALUES(501,'LIZA','011',001,654231780,'liz@gmail.com','16-02-2016',1);

INSERT INTO MEMBERS VALUES(502,'ROSE','012',002,654782391,'rose@gmail.com','15-12-2016',1);

INSERT INTO MEMBERS VALUES(503,'JENNY','013',003,564782139,'jenny@gmail.com','25-05-2016',1);

CREATE TABLE BOOK\_ISSUE

(

Issue\_id int,

Date\_of\_issue date,

Book\_id INT,

Members\_id INT,

Expected\_Date\_Of\_Return DATE,

Status VARCHAR(10),

PRIMARY KEY(Issue\_id)

);

INSERT INTO BOOK\_ISSUE VALUES(601,'12-02-2021',101,501,'15-03-2021','YES');

INSERT INTO BOOK\_ISSUE VALUES(602,'01-03-2021',102,502,'16-03-2021','YES');

INSERT INTO BOOK\_ISSUE VALUES(603,'19-02-2021',103,503,'14-03-2021','YES');

CREATE TABLE BOOK\_RETURN

(

Issue\_id int,

Actualdate date,

Latedays varchar(10),

Latefee INT,

PRIMARY KEY(Issue\_id)

);

INSERT INTO BOOK\_RETURN VALUES(601,'30-03-2021',6,50);

INSERT INTO BOOK\_RETURN VALUES(602,'30-03-2021',6,50);

INSERT INTO BOOK\_RETURN VALUES(603,'30-03-2021',6,50);

CREATE TABLE LANGUAGES(

Language\_id INT,

L\_Name VARCHAR(15),

PRIMARY KEY(Language\_id)

);

INSERT INTO LANGUAGES VALUES(201,'ENGLISH');

INSERT INTO LANGUAGES VALUES(202,'HINDI');

INSERT INTO LANGUAGES VALUES(203,'KOREAN');

CREATE TABLE LATE\_FEE\_RULE

(

FromDays int,

ToDays int,

Amount int

);

INSERT INTO LATE\_FEE\_RULE VALUES(0,7,10);

INSERT INTO LATE\_FEE\_RULE VALUES(7,30,100);

INSERT INTO LATE\_FEE\_RULE VALUES(30,50,200);

DROP TABLE BOOK;

DROP TABLE AUTHOR;

DROP TABLE BOOK\_AUTHOR;

DROP TABLE PUBLISHER;

DROP TABLE MEMBERS;

DROP TABLE BOOK\_ISSUE;

DROP TABLE BOOK\_RETURN;

DROP TABLE LANGUAGES;

DROP TABLE LATE\_FEE\_RULE;

SELECT \* FROM BOOK;

SELECT \* FROM AUTHOR;

SELECT \* FROM BOOK\_AUTHOR;

SELECT \* FROM PUBLISHER;

SELECT \* FROM MEMBERS;

SELECT \* FROM BOOK\_ISSUE;

SELECT \* FROM BOOK\_RETURN;

SELECT \* FROM LANGUAGES;

SELECT \* FROM LATE\_FEE\_RULE;