Assignment 1 (11/9/24)

CREATE TABLE Member(Member\_Id INTEGER(5), Member\_name varchar(30), Member\_address varchar(50), Acc\_Open\_Date date, Membership\_type varchar(20), Fees\_paid integer(4), max\_books\_allowed integer(2), Penalty\_amount float(7,2));

SELECT \* FROM `member`

ALTER TABLE member ADD CONSTRAINT mem1 PRIMARY KEY (Member\_Id);

DESC member;

alter table member modify Member\_name varchar(30) NOT NULL;

desc member;

ALTER TABLE member ADD CONSTRAINT mem2 CHECK (Membership\_type IN ('Lifetime','Annual','Half Yearly','Quarterly'));

desc member;

ALTER TABLE member ADD CONSTRAINT chk\_maxbooks CHECK (max\_books\_allowed<7 AND Penalty\_amount<=1000 AND Penalty\_amount>0);

INSERT INTO `member`(`Member\_Id`, `Member\_name`, `Member\_address`, `Acc\_Open\_Date`, `Membership\_type`, `Fees\_paid`, `max\_books\_allowed`, `Penalty\_amount`) VALUES ('1','Sayantan Saha','Pune','10-Dec-11','Lifetime','2000','6','50');

INSERT INTO `member`(`Member\_Id`, `Member\_name`, `Member\_address`, `Acc\_Open\_Date`, `Membership\_type`, `Fees\_paid`, `max\_books\_allowed`, `Penalty\_amount`) VALUES ('2','Abhirup Sarkar','Kolkata','2011-1-19','Annual','1400','3','0');

INSERT INTO `member`(`Member\_Id`, `Member\_name`, `Member\_address`, `Acc\_Open\_Date`, `Membership\_type`, `Fees\_paid`, `max\_books\_allowed`, `Penalty\_amount`) VALUES ('3','Ritesh Bhuniya','Gujarat','2011-2-20','Quarterly','350','2','100');

INSERT INTO `member`(`Member\_Id`, `Member\_name`, `Member\_address`, `Acc\_Open\_Date`, `Membership\_type`, `Fees\_paid`, `max\_books\_allowed`, `Penalty\_amount`) VALUES ('4','Paresh sen','Tripura','2011-1-19','Annual','1400','3','0');

create table books(Book\_No INTEGER(6),Book\_Name varchar(30),Author\_Name varchar(30), Cost float(7,2),Category char(10) );

ALTER TABLE books ADD CONSTRAINT b1 PRIMARY KEY (Book\_No);

alter table books modify Book\_Name varchar(30) NOT NULL;

ALTER TABLE member ADD CONSTRAINT b2 CHECK Category IN ('Science','Database','System','Others');

Create table issue();

INSERT INTO books VALUES (101,'Let Us C','Dennis Ritchie',450,'Others');

INSERT INTO books VALUES (102,'Oracle Complete-Ref','loni',550,'Database');

INSERT INTO books VALUES (103,'Visual Basic 10','bpb',700,'Others');

INSERT INTO books VALUES (104,'Mastering SQL','Loni',450,'Database');

INSERT INTO books VALUES (105,'Pl SQL Ref','Scott Urman',750,'Database');

INSERT INTO books VALUES (106,'UNIX','Sumitava Das',300,'System');

INSERT INTO books VALUES (107,'Optics','Ghatak',600,'Science');

INSERT INTO books VALUES (108,'Data Structers','G.S Balujia',600,'Others');

INSERT INTO member VALUES (1, 'Sayantan Sinha','Pune','2010-12-1-','Lifetime',2000,6,5);

INSERT INTO member VALUES (2, 'Abhirup Sarkar','Kolkata','2011-01-11','Annual',1400,3,0);

INSERT INTO member VALUES (3, 'Ritesh Bhuniya','Gujarat','2011-02-20','Quarterly',350,2,100);

INSERT INTO member VALUES (4, 'Paresh sen','Tripura','2011-03-21','Half Yearly',700,1,200);

INSERT INTO member VALUES (5, 'Sohini Haldar','Birbhum','2011-04-11','Lifetime',2000,6,10);

INSERT INTO member VALUES (6, 'Suparna Biswas','Kolkata','2011-04-12','Half Yearly',700,1,0);

INSERT INTO member VALUES (7, 'Suranjana Basu','Purulia','2011-06-30','Annual',1400,3,50);

INSERT INTO member VALUES (8, 'Arpita Roy','Kolkata','2011-07-11','Half Yearly',700,1,0);

INSERT INTO `issue`(`lib\_issue\_date`, `Book\_No`, `Member\_Id`, `issue\_date`, `return\_date`) VALUES ('7001','101','1','2011-1-10','');

INSERT INTO `issue`(`lib\_issue\_date`, `Book\_No`, `Member\_Id`, `issue\_date`, `return\_date`) VALUES ('7002','102','2','2011-1-25','2011-2-25');

INSERT INTO `issue`(`lib\_issue\_date`, `Book\_No`, `Member\_Id`, `issue\_date`, `return\_date`) VALUES ('7003','104','1','2011-2-1','2011-3-1');

INSERT INTO `issue`(`lib\_issue\_date`, `Book\_No`, `Member\_Id`, `issue\_date`, `return\_date`) VALUES ('7004','104','2','2011-3-15','2011-4-25');

INSERT INTO `issue`(`lib\_issue\_date`, `Book\_No`, `Member\_Id`, `issue\_date`, `return\_date`) VALUES ('7005','101','4','2011-4-4','2011-5-4');

INSERT INTO `issue`(`lib\_issue\_date`, `Book\_No`, `Member\_Id`, `issue\_date`, `return\_date`) VALUES ('7006','108','5','2011-4-12','2011-5-12');

INSERT INTO `issue`(`lib\_issue\_date`, `Book\_No`, `Member\_Id`, `issue\_date`, `return\_date`) VALUES ('7007','101','8','2011-8-1','2011-9-25');