ALTER TABLE `borrows` ADD `actretdate` DATETIME NULL DEFAULT NULL AFTER `RDTIME`, ADD `fine` FLOAT NULL DEFAULT NULL AFTER `actretdate`;

J ISSUE <=10

CREATE TABLE FACULTY ( FID INTERGER , FNAME CHAR (20) , DEPID INTEGER ,PRIMARY KEY (FNUM),CHECK ((SELECT COUNT(\*) FROM FACULTY F GROUP BY F.DEPTID HAVING COUNT (\*)>10)=0))

***CREATING TABLE***

CREATE TABLE AUTHOR ( AUTHORID VARCHAR(10) NOT NULL, ANAME VARCHAR(20), PRIMARY KEY (AUTHORID) );

CREATE TABLE WRITES( AUTHORID VARCHAR(10), DOCID VARCHAR(10), PRIMARY KEY(AUTHORID,DOCID), CONSTRAINT FK\_AUTHORID FOREIGN KEY(AUTHORID) REFERENCES AUTHOR(AUTHORID) );

CREATE TABLE PUBLISHER( PUBLISHERID VARCHAR(10) NOT NULL, PUBNAME VARCHAR(20), ADDRESS VARCHAR(50), PRIMARY KEY(PUBLISHERID) );

CREATE TABLE BRANCH( LIBID VARCHAR(10), LANAME VARCHAR(20), LLOCATION VARCHAR(20), PRIMARY KEY(LIBID) );

CREATE TABLE CHIEF\_EDITOR( EDITOR\_ID VARCHAR(10), ENAME VARCHAR(20), PRIMARY KEY(EDITOR\_ID) );

CREATE TABLE READER( READERID VARCHAR(10), RTYPE VARCHAR(10), RNAME VARCHAR(20), ADDRESS VARCHAR(50), PRIMARY KEY(READERID) );

CREATE TABLE DOCUMENT( DOCID VARCHAR(10), TITLE VARCHAR(10), PDATE DATE, PUBLISHERID VARCHAR(10), PRIMARY KEY(DOCID), CONSTRAINT FK\_PUBLISHERID FOREIGN KEY (PUBLISHERID) REFERENCES PUBLISHER(PUBLISHERID));

CREATE TABLE COPY( DOCID VARCHAR(10), COPYNO INT, LIBID VARCHAR(10), POSITION VARCHAR(6), PRIMARY KEY(DOCID,COPYNO,LIBID), CONSTRAINT FK\_DOCID FOREIGN KEY (DOCID) REFERENCES DOCUMENT(DOCID), CONSTRAINT FK\_LIBID FOREIGN KEY (LIBID) REFERENCES BRANCH(LIBID));

CREATE TABLE JOURNAL\_VOLUME( DOCID VARCHAR(10), JVOLUME INT, EDITOR\_ID VARCHAR(10), PRIMARY KEY(DOCID), CONSTRAINT FK\_EDITOR\_ID FOREIGN KEY (EDITOR\_ID) REFERENCES CHIEF\_EDITOR(EDITOR\_ID) );

ALTER TABLE `JOURNAL\_VOLUME` ADD CONSTRAINT `FK\_DOCIDJV` FOREIGN KEY (`DOCID`) REFERENCES `DOCUMENT`(`DOCID`) ON DELETE RESTRICT ON UPDATE RESTRICT;

CREATE TABLE JOURNAL\_ISSUE( DOCID VARCHAR(10), ISSUE\_NO INT, SCOPE VARCHAR(20), PRIMARY KEY(DOCID,ISSUE\_NO), CONSTRAINT FK\_DOC\_JI FOREIGN KEY(DOCID) REFERENCES JOURNAL\_VOLUME(DOCID) );

//ISSUE <=10

CREATE TABLE INV\_EDITOR( DOCID VARCHAR(10), ISSUE\_NO INT, IENAME VARCHAR(20), PRIMARY KEY(DOCID,ISSUE\_NO,IENAME));

CREATE TABLE PROCEEDINGS( DOCID VARCHAR(10), CDATE DATE, CLOCATION VARCHAR(20), CEDITOR VARCHAR(20), PRIMARY KEY(DOCID), CONSTRAINT FK\_DOCID\_P FOREIGN KEY(DOCID) REFERENCES DOCUMENT(DOCID));

CREATE TABLE BOOK( DOCID VARCHAR(10), ISBN VARCHAR(15), PRIMARY KEY(DOCID), CONSTRAINT FK\_DOCID\_B FOREIGN KEY (DOCID) REFERENCES DOCUMENT(DOCID));

CREATE TABLE RESERVES( RESUMBER INT, READERID VARCHAR(10), DOCID VARCHAR(10), COPYNO INT(6), LIBID VARCHAR(10), DTIME DATETIME, PRIMARY KEY(RESUMBER), CONSTRAINT FK\_D\_c\_L FOREIGN KEY (DOCID,COPYNO,LIBID) REFERENCES COPY(DOCID,COPYNO,LIBID));

//TIME CHECK IS LEFT 6PM ..AND ALSO RESUMBER CHECK <=10

CREATE TABLE BORROWS( BORNUMBER INT, READERID VARCHAR(10), DOCID VARCHAR(10), COPYNO INT(6), LIBID VARCHAR(10), BDTIME DATETIME, RDTIME DATETIME, PRIMARY KEY(BORNUMBER), CONSTRAINT FK\_D\_c\_LB FOREIGN KEY (DOCID,COPYNO,LIBID) REFERENCES COPY(DOCID,COPYNO,LIBID));

***INSERTING COMMANDS***

S

INSERT INTO AUTHOR(`AUTHORID`, `ANAME`) VALUES ('12AI3451', 'shubham'), ('12AI3452', 'arpitha'), ('12AI3453', 'sumit'), ('12AI3454', 'gulia'), ('12AI3455', 'gupta');

INSERT INTO CHIEF\_EDITOR(`EDITOR\_ID`,`ENAME`) VALUES ('1ed11', 'Aman Gulia'), ('1ed12', 'Shreyash '), ('1ed13', 'Benjamin Wallance'), ('1ed14', 'Neeharika Palli'), ('1ed15', 'Shubham Gulia');

INSERT INTO PUBLISHER(`PUBLISHERID`, `PUBNAME`, `ADDRESS`) VALUES ('Thom1', 'Thomson Reuters ', 'avenue street , harrison , new jersey '), ('Wolt2', 'Wolters Kluwer', '37 washington street , harrison ,new jersey '), ('Rand3', 'Random House', '2nd north street , harrison ,new jersey '), ('Hach4', 'Hachette Livre', 'broad street , kearny ,new jersey'), ('Wile5', 'Wiley', 'food street , jersey city ,new jersey');

INSERT INTO BRANCH(`LIBID`, `LNAME`, `LLOCATION`) VALUES ('78LI9451', 'State of Alabama', 'Alabama'), ('78LI9452', 'Alaska Methodist ', 'Alaska'), ('78LI9453', 'California Western', 'California'), ('78LI9454', 'Oriental Medicine', 'Austin'), ('78LI9455', 'Arkansas AM&NCollege', 'Arkansas');

INSERT INTO READER (`READERID`, `RTYPE`, `RNAME`, `ADDRESS`) VALUES ('1rd11', 'Partial ', 'ashish ', 'craz street , harrison , new jersey '), ('1rd12', 'Re-Readers', 'john', '35 dalton street , harrison ,new jersey '), ('1rd13', 'Loyalists', 'cena', 'jordan street , harrison ,new jersey '), ('1rd14', 'Nonfiction', 'sandeep', 'cleveland street , kearny ,new jersey'), ('1rd15', 'Fiction', 'poplu', 'warriors street , jersey city ,new jersey');

INSERT INTO DOCUMENT (`DOCID`, `TITLE`, `PDATE`, `PUBLISHERID`) VALUES ('1223331', 'database', '2000-01-10', 'Wile5'), ('1223332', 'Ihlp', '2001-03-05', 'Rand3'), ('1223333', 'Rprogram', '2005-12-09', 'Thom1'), ('1223334', 'Bigdata', '2008-10-10', 'Wolt2'), ('1223335', 'Cloud', '2007-08-05', 'Hach4');

INSERT INTO BOOK (`DOCID`, `ISBN`) VALUES ('1223331', 'ISBN 7-894-561-257'), ('1223332', 'ISBN 9-594-261-963');

INSERT INTO PROCEEDINGS(`DOCID`, `CDATE`, `CLOCATION`, `CEDITOR`) VALUES ('1223332', '2001-01-05', 'houstan', 'abdulla'), ('1223331', '1999-02-07', 'boston', 'pankaj'), ('1223333', '2004-08-08', 'newyork', 'deb mandal'), ('1223335', '2006-09-09', 'newyork', 'deb mandal'), ('1223334', '2007-12-12', 'boston', 'pankaj');

INSERT INTO WRITES (`AUTHORID`, `DOCID`) VALUES ('12AI3451', '12AI23331'), ('12AI3452', '1223332');

INSERT INTO JOURNAL\_VOLUME (`DOCID`, `JVOLUME`, `EDITOR\_ID`) VALUES ('1223333', '1', '1ed12'), ('1223334', '5', '1ed14');

INSERT INTO JOURNAL\_ISSUE (`DOCID`, `ISSUE\_NO`, `SCOPE`) VALUES ('1223333', '5', 'Social issue'), ('1223334', '5', 'Social issue');

INSERT INTO INV\_EDITOR (`DOCID`, `ISSUE\_NO`, `IENAME`) VALUES ('1223333', '5', 'Shubham'), ('1223334', '5', 'Sumit');

INSERT INTO COPY (`DOCID`, `COPYNO`, `LIBID`, `POSITION`) VALUES ('1223331', '112124', '78LI9451', '001a03'), ('1223335', '112332', '78LI9455', '001b03');

INSERT INTO RESERVES (`RESUMBER`,`READERID`,`DOCID`,`COPYNO`,`LIBID`,`DTIME`) VALUES ('1','1RD11','1223331','112124','78LI9451','2011-01-10 05:30:56');

INSERT INTO BORROWS (`BORNUMBER`,`READERID`,`DOCID`,`COPYNO`,`LIBID`,`BDTIME`,`RDTIME`) VALUES ('5','1RD11','1223331','112124','78LI9451','2011-01-10 05:30:56','2011-01-15 05:30:56');