**1. STUDENT**

**2. FACULTY**

**3. LIBRARIAN**

**4. STAFF**

**5. BOOK**

**6. AUTHOR**

**7. PERIODICALS**

**8. writes**

**9. issued\_by\_stu**

**10. issued\_by\_fac**

create table STUDENT(sid int, sname varchar(20), type char(15), sadd varchar(30), issue\_date date, expiry\_date date, s\_phone\_no varchar(10), fine int);

create table FACULTY(fid int, fname varchar(20), fadd varchar(30), f\_phone\_no varchar(10), department char(15));

create table LIBRARIAN(admin\_login varchar(15), admin\_password varchar(15));

create table STAFF(staff\_id int, staff\_name char(20), address varchar(30), dob date, date\_of\_joining date, salary int, desig char(15));

create table BOOK(bid int, book\_name varchar(50), sub\_code int, no\_of\_books int, date\_of\_purchase date, price int, rack\_no int);

create table AUTHOR(aid int, author\_name char(20), auth\_dob date, auth\_add varchar(30), experience int);

create table PERIODICALS(pr\_id int, pr\_name varchar(20), month\_of\_release date, publisher\_name varchar(20));

create table writes(auth\_id int, book\_id int);

create table ibs(issue\_date date, return\_date date, student\_id int, book\_id int);

create table ibf(f\_issue\_date date, f\_return\_date date, faculty\_id int, book\_id int);

insert into BOOK values (1, “Natural Resources”, 8, 15, “2013-12-11”, 499, 8);

insert into BOOK values (2, “Encyclopedia Americana”, 5, 20, “2016-10-23”, 1200, 3);

insert into BOOK values (3, “Algebra 1”, 3, 35, “2018-11-04”, 700, 5);

insert into BOOK values (4, “The Philippine Daily Inquirer”, 7, 3, “2016-04-19”, 563, 7);

insert into BOOK values (5, “Science in our World”, 4, 25, “2019-10-11”, 1800, 3);

insert into BOOK values (6, “Literature”, 9, 20, “2013-12-11”, 300, 9);

insert into BOOK values (7, “Lexicon Universal Encyclopedia”, 5, 10, “2018-11-22”, 3800, 3);

insert into BOOK values (8, “Science and Invention Encyclopedia”, 5, 16, “2018-12-11”, 5300, 3);

insert into BOOK values (9, “Integrated Science Textbook”, 4, 15, “2017-02-19”, 4700, 4);

insert into BOOK values (10, “Algebra 2”, 3, 15, “2018-09-21”, 1900, 5);

insert into BOOK values (11, “Wiki at Panitikan”, 7, 28, “2019-08-12”, 2200, 6);

insert into BOOK values (12, “English Expressways TextBook for 4th year”, 9, 23, “2011-11-12”, 1500, 9);

insert into BOOK values (13, “Asya Pag-usbong Ng Kabihasnan”, 8, 21, “2013-12-11”, 700, 8);

insert into BOOK values (14, “Literature (the reader’s choice)”, 9, 20, “2007-12-08”, 180, 9);

insert into BOOK values (15, “Beloved a Novel”, 9, 13, “2015-02-11”, 800, 9);

insert into AUTHOR values (101, “Robin Kerrod”, “1981-02-12”, “London, England”, 9);

insert into AUTHOR values (102, “Grolier”, “1968-11-03”, “NYC, US”, 22);

insert into AUTHOR values (103, “Carolyn Bradshaw”, “1974-10-20”, “Bogota, Colombia”, 20);

insert into AUTHOR values (104, “Cristine Redoblo”, “1987-03-12”, “Rio de Jeneiro, Brazil”, 5);

insert into AUTHOR values (105, “Brian Knapp”, “1977-12-31”, “Chicago, US”, 15);

insert into AUTHOR values (106, “Greg Glowka”, “1989-10-17”, “Moscow, Russia”, 10);

insert into AUTHOR values (107, “Cristine Redoblo”, “1985-02-22”, “Manila, Philippines”, 8);

insert into AUTHOR values (108, “Clarke Donald”, “1952-08-19”, “Basra, Iraq”, 30);

insert into AUTHOR values (109, “C. Tan”, “1958-01-02”, “London, England”, 25);

insert into AUTHOR values (110, “Glencoe McGraw Hill”, “1966-09-11”, “NYC, US”, 12);

insert into AUTHOR values (111, “Lorenza P. Avera”, “1969-11-12”, “Sao Paulo, Brazil”, 18);

insert into AUTHOR values (112, “Virginia Bermudez”, “1963-01-22”, “Lima, Peru”, 28);

insert into AUTHOR values (113, “Ricardo T. Jose”, “1971-05-05”, “Warsaw, Poland”, 19);

insert into AUTHOR values (114, “Glencoe McGraw Hill”, “1990-02-09”, “Tijuana, Mexico”, 7);

insert into AUTHOR values (115, “Douglas K. Ramsey”, “1988-12-26”, “NYC, US”, 15);

insert into writes values (1, 101);

insert into writes values (2, 102);

insert into writes values (3, 103);

insert into writes values (4, 104);

insert into writes values (5, 105);

insert into writes values (6, 106);

insert into writes values (7, 107);

insert into writes values (8, 108);

insert into writes values (9, 109);

insert into writes values (10, 110);

insert into writes values (11, 111);

insert into writes values (12, 112);

insert into writes values (13, 113);

insert into writes values (14, 114);

insert into writes values (15, 115);

insert into LIBRARIAN values(“admin1”, “qwerty123”);

insert into LIBRARIAN values(“admin2”, “password”);

insert into LIBRARIAN values(“admin3”, “123456789”);

insert into PERIODICALS values (991, “The Atlantic”, “2019-09-00”, “Emerson Collective”);

insert into PERIODICALS values (992, “National Examiner”, “2019-09-00”, “American Media”);

insert into PERIODICALS values (993, “Scientific American”, “2019-10-00”, “ScienceDaily”);

insert into PERIODICALS values (994, “Library Journal”, “2019-10-00”, “Media Source”);

insert into PERIODICALS values (995, “TIME”, “2019-09-00”, “WarnerMedia”);

insert into STUDENT values (20113, “Shaurya”, “CSE, B.Tech”, “333, J-block”, “2018-07-00”, “2022-10-00”, “9424259784”, 0);

insert into STUDENT values (20321, “Akshit”, “IT, B.Tech”, “417, Q-block”, “2018-07-00”, “2022-10-00”, “9424259783”, 0);

insert into STUDENT values (20453, “Pranav”, “CSE, M.Tech”, “602, D-Annex”, “2017-07-00”, “2019-10-00”, “9479145758”, 0);

insert into STUDENT values (20217, “Parth”, “IT, Integrated”, “544, H-block”, “2018-07-00”, “2021-10-00”, “6264573124”, 0);

insert into STUDENT values (21002, “Simrit”, “ECE, M.Tech”, “321, Q-block”, “2019-09-00”, “2021-10-00”, “9887905546”, 0);

insert into ibs values (“2019-10-20”, “2019-10-30”, 20217, 6);

insert into ibs values (“2019-10-01”, “2019-10-20”, 20113, 9);

insert into ibs values (“2019-09-25”, “2019-10-20”, 21002, 12);

insert into FACULTY values (30101, “Neo”, “Vellore, Tamil Ndau”, “6779080563”, “CSE”);

insert into FACULTY values (30102, “Trinity”, “Hyderabad, Telangana”, “9479556015”, “IT”);

insert into FACULTY values (30103, “Tony”, “Chennai, Tamil Nadu”, “6264990879”, “Mech.”);

insert into FACULTY values (30104, “Steve”, “Ahmedabad, Gujarat”, “9887674450”, “ECE”);

insert into FACULTY values (30105, “Mark”, “Mumbai, Maharashtra”, “9423562462”, “CSE”);

insert into ibf values (“2019-10-10”, “2019-10-25”, 30102, 2);

insert into ibf values (“2019-10-22”, “2019-11-10”, 30101, 7);

insert into ibf values (“2019-10-01”, “2019-10-30”, 30104, 5);

insert into STAFF values (001, “Rajesh”, “Vellore, TamilNadu”, “1980-07-12”, “2017-10-09”, 24000, “LibraryAsst 1”);

insert into STAFF values (002, “Abhishek”, “Bhopal, MP”, “1970-04-22”, “2000-01-10”, 60000, “Director”);

insert into STAFF values (003, “Mukesh”, “Raipur, CG”, “1975-10-06”, “2015-09-11”, 32000, “LibraryAsst 2”);

insert into STAFF values (004, “Ritesh”, “Chennai, TamilNadu”, “1985-09-09”, “2016-10-11”, 35000, “Dep.Librarian”);

insert into STAFF values (005, “Kabir”, “Hyderabad, Telangana”, “1969-11-12”, “2004-05-17”, 45000, “Librarian”);

alter table STUDENT add primary key (sid);

alter table FACULTY add primary key (fid);

alter table LIBRARIAN add primary key (admin\_login);

alter table STAFF add primary key (staff\_id);

alter table BOOK add primary key (bid);

alter table AUTHOR add primary key (aid);

alter table PERIODICALS add primary key (pr\_id);

alter table ibs add foreign key (student\_id) references STUDENT(sid);

alter table ibs add foreign key (book\_id) references BOOK(bid);

alter table ibf add foreign key (faculty\_id) references FACULTY(fid);

alter table ibf add foreign key (book\_id) references BOOK(bid);

alter table writes add foreign key (auth\_id) references AUTHOR(aid);

alter table writes add foreign key (book\_id) references BOOK(bid);