**Q.13 Create the following tables.**

**1)PUBLISHER( PID , PNAME ,ADDRESS ,STATE ,PHONE ,EMAILID );**

**2)BOOK( ISBN ,BOOK\_TITLE , CATEGORY , PRICE , COPYRIGHT\_DATE , YEAR ,PAGE\_COUNT ,PID );**

**3) AUTHOR(AID,ANAME,STATE,CITY ,ZIP,PHONE,URL )**

**4) AUTHOR\_BOOK(AID,ISBN); 5) REVIEW(RID,ISBN,RATING);**

**Solve following queries by SQL**

create table publisher(pid int, pname varchar(50), address varchar(50), state varchar(50), phone varchar(50), emailid varchar(50));

create table book(isbn varchar(50),book\_title varchar(50), category varchar(50), price int, copyright\_date int , year int,page\_count int ,pid int );

create table author(aid int,aname varchar(50),state varchar(50),city varchar(50),zip int,phone varchar(50),url varchar(50));

create table author\_book(aid int,isbn varchar(50));

create table review(rid int,isbn varchar(50),rating int);

insert into publisher(pid, pname, address, state, phone, emailid ) values (1, 'sunrise', 'mumbai', 'maharashtra', '9098765432', 'sunrise12@gmail.com');

insert into publisher(pid, pname, address, state, phone, emailid ) values (2, 'mehta','pune', 'maharashtra', '9128765432', 'addison 12@gmail.com');

insert into publisher(pid, pname, address, state, phone, emailid ) values (3,'morgan kaufmann', 'korth', 'maharashtra', '9548765432', 'morgan12@gmail.com');

insert into book(isbn, book\_title, category, price, copyright\_date, year, page\_count, pid) values ('0321228383', 'database systems', 'a', 255, 12, 2007, 86, 1);

insert into book(isbn, book\_title, category, price, copyright\_date, year, page\_count, pid) values ('0321228384', 'computer science', 'b', 205, 12, 2007, 80, 2);

insert into book(isbn, book\_title, category, price, copyright\_date, year, page\_count, pid) values ('0321228385', 'out of their minds', 'c', 145, 12, 2007, 70, 3);

insert into author\_book(aid, isbn) values (10,'0321228383');

insert into author\_book(aid, isbn) values (20,'0321228384');

insert into author\_book(aid, isbn) values (30,'0321228385');

insert into review (rid, isbn, rating) values(201, '0321228383', 4);

insert into review (rid, isbn, rating) values(202, '0321228384', 3);

insert into review (rid, isbn, rating) values(203, '0321228385', 4);

insert into author (aid, aname, state, city, zip, phone, url) values (10, 'Chetan bhagat', 'maharashtra', 'mumbai', 401205, '9098765432', 'www.k10.com');

insert into author (aid, aname, state, city, zip, phone, url) values (20, 'lewis', 'maharashtra', 'pune',410501, '9128765432', 'www.lewis20.com');

insert into author (aid, aname, state, city, zip, phone, url) values (30, 'bernstein', 'maharashtra', 'korth', 402501, '9548765432', 'www.bern30.com');

**1. Retrieve city, phone, url of author whose name is ‘CHETAN BHAGAT’.**

select city,phone,url from author where aname='Chetan Bhagat';

**2. Retrieve book title, reviewable id and rating of all books.**

select book\_title,rid,rating from review r,book b where b.isbn=r.isbn;

**3. Retrieve book title, price, author name and url for publishers ‘MEHTA’.**

select book\_title,price,aname,url from book b,author a,publisher p where b.pid=p.pid and p.pname = 'MEHTA';

**4. In a PUBLISHER relation change the phone number of ‘MEHTA’ to 123456**

update publisher set phone='123456' where pname='mehta';

select \* from publisher;

**5. Calculate and display the average, maximum, minimum price of each publisher.**

select avg(price),min(price),max(price) from book, publisher where book.pid=publisher.pid;

**6. Delete details of all books having a page count less than 100.**

delete from book where page\_count < 100;

select \* from book;

**7. Retrieve details of all authors residing in city Pune and whose name begins with character ‘C’.**

select \* from author where city='Pune' and aname like 'C%';

**8. Retrieve details of authors residing in same city as ‘Korth’.**

select \* from author where city='Korth';

**9. Create a procedure to update the value of page count of a book of given ISBN.**

**10. Create a function that returns the price of book with a given ISBN.**