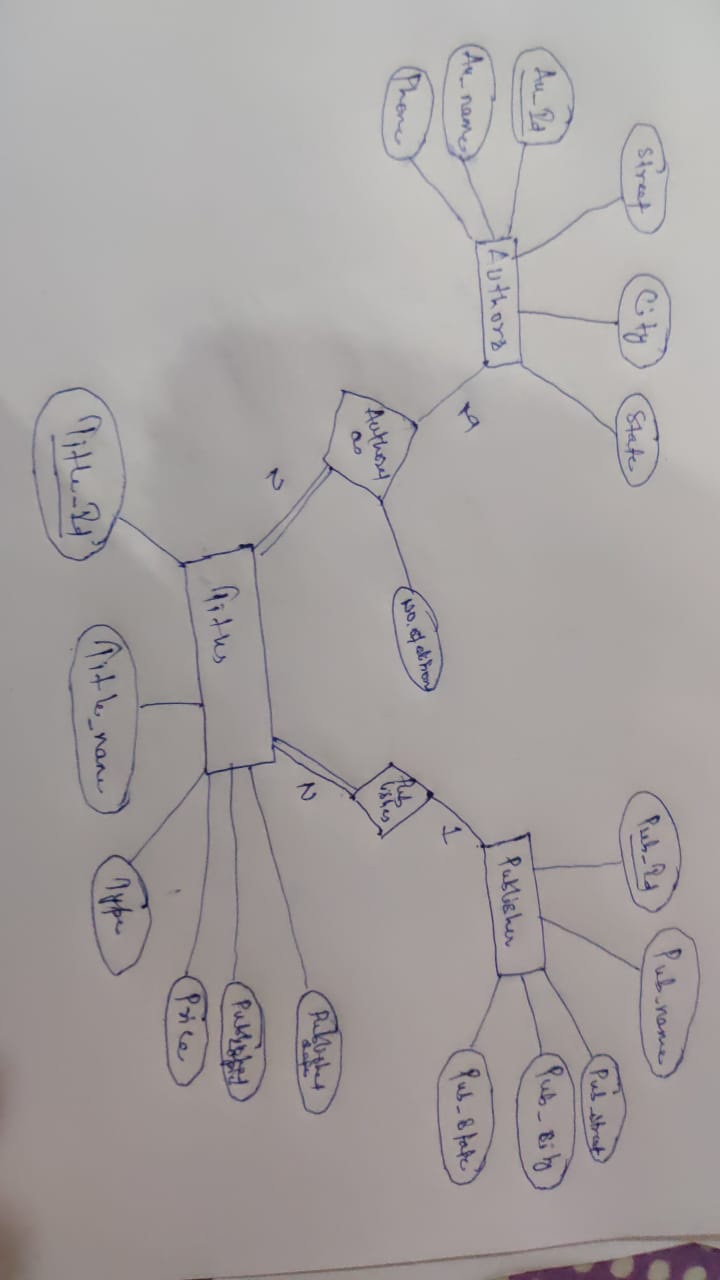
ER DIAGRAM:



Authors and Titles will be having a M:N relationship named as Authored as or Title\_Author

Also Publisher will have 1:N relationship

All the attributes has been shown in the diagram

1.

Ques:

Display the total No. of technical books published in the month of ‘may’ so far

Query:

select sum(published\_copies) from titles where type in('Technical', 'technical');

select sum(published\_copies) from titles where type in('Technical', 'technical') and to\_char(pub\_date,'Month') = 'May';

Output:

2.

Ques:List the authors who belong to particular state. Get the input of state from the user interactively. Allow the user to give state name in any case.

Query:

select au\_name,state from authors where state = 'maharashtra';

select au\_name,state from authors where state = '&state';

Output:

AU\_NAME STATE

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sahani maharashtra

sathe maharashtra

gppotdar maharashtra

3.

Ques:

Query:

a) sequence:

select count(id) from title\_author;

create sequence TA\_ID

start with 7

increment by 1;

insert into title\_author values(TA\_ID.NEXTVAL,'a5','t4',3);

b)

alter table title\_author modify NO\_OF\_EDITIONS Number(5);

alter table title\_author add constraint NOW\_Greater\_Cons check(NO\_OF\_EDITIONS > 0);

c)

select au\_id, length(au\_id) as len\_auid from title\_author;

Output:

Sequence created.

a)

ID AU\_I TITL NO\_OF\_EDITIONS

---------- ---- ---- --------------

1 a1 t1 4

2 a2 t2 3

3 a2 t3 4

4 a3 t4 3

5 a4 t5 2

6 a3 t5 2

7 a5 t4 3

b)

Name Null? Type

----------------------------------------------------------------- -------- --------------------------------------------

ID NOT NULL NUMBER(2)

AU\_ID CHAR(4)

TITLE\_ID CHAR(4)

NO\_OF\_EDITIONS NUMBER(5)

c)

AU\_I LEN\_AUID

---- ----------

a1 4

a2 4

a2 4

a3 4

a4 4

a3 4

a5 4

4.

Ques:

Update the cities with the latest city names of all authors authors using one single SQL command [hint:banglalore is now bengaluru]

Query:

update authors set city = decode(city,'bangalore','bengaluru', 'pune', 'pune', 'bombay','mumbai','madras','chennai','culcatta','kolkata');

Output:

AU\_I AU\_NAME PHONE STREET CITY STATE

---- -------------------- ------------ -------------------- ---------- ---------------

a1 sahani 020-4214612 kr-road mumbai maharashtra

a2 sathe 020-4214613 karwe road pune maharashtra

a3 manjunath 080-6614614 richmond road bengaluru Karnataka

a4 mani 044-7715512 Anna salai chennai tamil nadu

a5 gppotdar 022-4414667 s-road mumbai maharashtra

a6 soma 040-8414667 Jessore Road kolkata Westbengal

6 rows selected.

5.

Ques:

List the author name who does not belong to Bombay and has published more than 3 editions on various titles

Query:

select \* from authors where city <> 'bombay';

Output:

6.

Ques:

List the publisher from Maharashtra who has not published any titles

Query:

select pub\_name,pub\_state from publishers where pub\_state = 'maharashtra';

Output:

7.

Ques:

Display state wise, city wise number of publishers in ascending order of state

Query:

select pub\_state, pub\_city, count(\*) from publishers group by pub\_state, pub\_city order by pub\_state asc;

Output:

PUB\_STATE PUB\_CITY COUNT(\*)

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madhya pradesh bhopal 1

maharashtra chennai 1

maharashtra mumbai 1

maharashtra pune 3