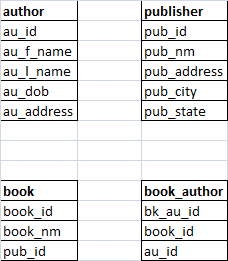
**PUBLISHER MODEL**

If you work for a books company, then you have to deal with publishers, authors and the transaction which happens between them. Here we have some tables from that domain.



1. Identify the relationships between each table.
2. Query to get the number of books by each publisher.
3. Write a query which gives book\_name, author\_name for publisher ‘XYZ’
4. Which book was written by more than 3 authors?
5. Want to include city and state information of author as well in the model. So, modifiy the model and show us the new model what you come up with.
6. Display publisher name, pub\_city and metro flag of the city. If city is CHN or MUM or DEL or CAL then display the flag as ‘Y’ otherwise ‘N’
7. Display the authors whose age is greater than the author ‘RAM KUMAR’
8. Display the publisher name, author\_name and no of books they wrote.
9. Which author wrote the maximum number of books?
10. Create a stored procedure which returns book\_name, author\_full\_name by taking publisher name as the input.
11. Take the publisher name as input and give the number of books which that publisher published where there are only one author.

create table author

(au\_id number(5) primary key,au\_f\_name varchar2(20),au\_l\_name varchar2(20),au\_dob date,au\_address varchar2(20));

insert all

into author values(1,'raj','deshpande','22-jan-15','jpnagar,bang')

into author values(2,'arun','patil','03-mar-15','rrnagar,bang')

into author values(3,'ritesh','deshmukh','28-sep-15','kalyannagar,bang')

into author values(4,'arjun','janya','19-oct-15','jaynagar,bang')

into author values(5,'kiran','sharma','17-nov-15','tnagar,bang')

select \* from dual;

/

create table publisher

(pub\_id number(5) primary key,pub\_nm varchar2(20), pub\_address varchar2(20),pub\_city varchar2(20),pub\_state varchar2(20));

insert all

into publisher values(1101,'abc publications','ring road','bangalore','karnataka')

into publisher values(1102,'pqr publications','south end','bangalore','karnataka')

into publisher values(1103,'xyz publications','kr circle','bangalore','karnataka')

into publisher values(1104,'rrr publications','rr road','bangalore','karnataka')

into publisher values(1105,'lmn publications','dk circle','bangalore','karnataka')

into publisher values(1106,'zzz publications','kr puram','bangalore','karnataka')

select \* from dual;

/

create table book

(book\_id number(5) primary key,book\_nm varchar2(20),pub\_id number(5) references publisher(pub\_id));

insert all

into book values(11,'cartoon books',1101)

into book values(12,'story books',1101)

into book values(13,'adventures books',1102)

into book values(14,'novel books',1101)

into book values(15,'thriller books',1103)

into book values(16,'horror books',1102)

select \* from dual;

/

create table book\_author

(bk\_au\_id number(5) primary key,book\_id number(5) references book(book\_id),au\_id number(5) references author(au\_id));

insert all

into book\_author values(111,14,1)

into book\_author values(222,12,1)

into book\_author values(333,11,2)

into book\_author values(444,11,3)

into book\_author values(555,11,2)

into book\_author values(666,14,2)

into book\_author values(777,15,4)

into book\_author values(888,16,5)

select \* from dual;