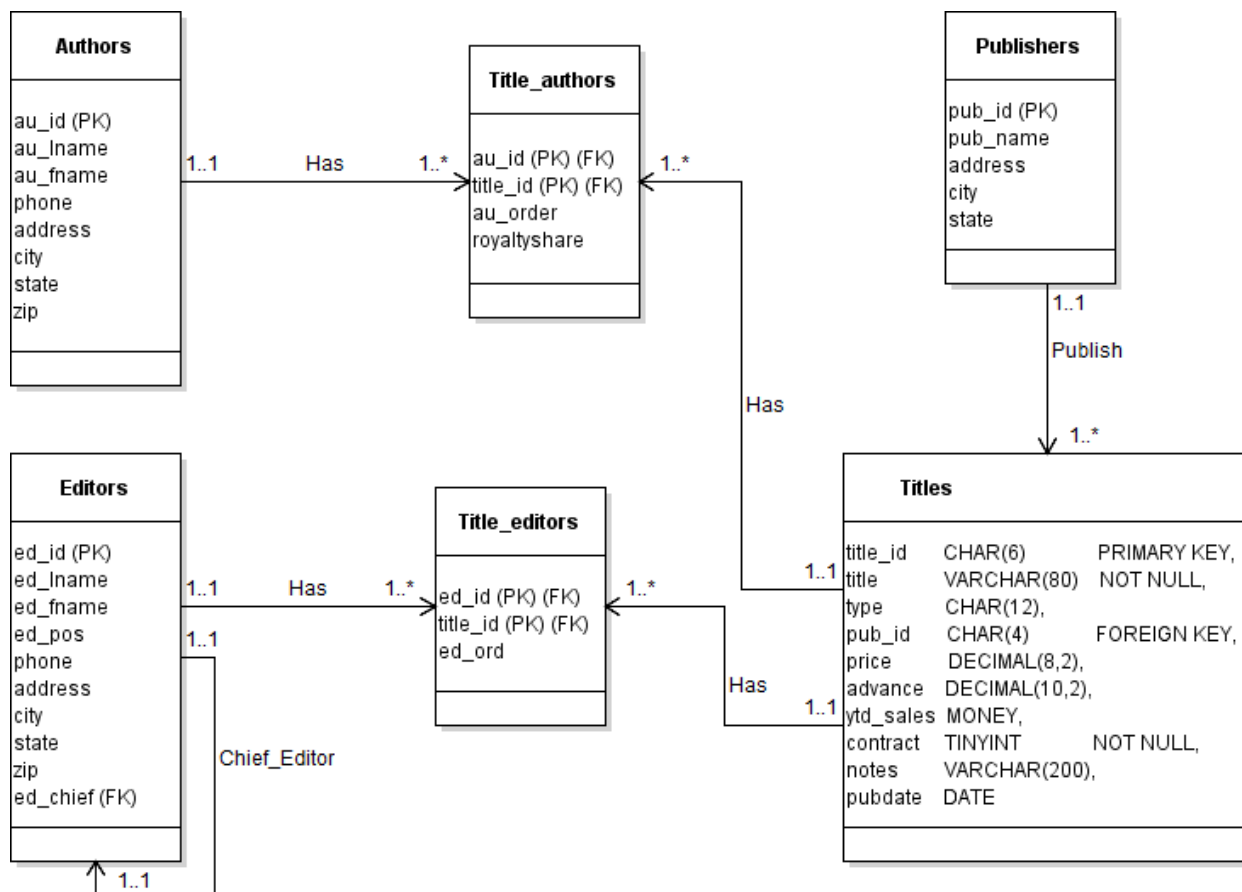


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SEMESTER A181 QUIZ 1 (ONLINE) – SQL



Base on the database schema above, write SQL Statements to:

a) Create the table **Titles** (2 marks).

```
CREATE TABLE Titles (  
title_id CHAR(6) PRIMARY KEY,  
title VARCHAR(80) NOT NULL,  
type CHAR(12) NULL,  
pub_id CHAR(4) REFERENCES publishers(pub_id),  
price DECIMAL(8,2) NULL,  
advance DECIMAL(10,2) NULL,  
ytd_sales MONEY NULL,  
contract TINYINT NOT NULL,  
notes VARCHAR(200) NULL,  
pubdate DATE NULL);
```

- b) Create a query to display the publisher name, address, city, and state for each publisher with sorting by publisher name. (2 marks).

```
SELECT pub_name, address, city, state
FROM Publishers
ORDER BY pub_name
```

- c) Select authors (au_fname, au_lname) who is a second author (au_order) and earn 50% of royalty (royaltyshare). (2 marks).

```
SELECT au_fname, au_lname
FROM Authors a, Title_authors t
WHERE a.au_id = t.au_id AND t.au_order = 'second' AND t.royaltyshare =
50%;
```

- d) Select chief editors (ed_fname, ed_lname) and his/her editors (ed_fname, ed_lname), and the book title that they are editing together. (2 marks)

```
SELECT e.ed_fname, e.ed_lname, ed.ed_fname, ed.ed_lname, t.title
FROM Editors e, Editor ed, Title_editors te, Titles t
WHERE e.ed_id = ed.ed_boss AND e.ed_id = te.ed_id AND te.title_id =
t.title_id;
```

- e) Select author from state of Kedah, for their order status and average royalty percentage received for each authors order (first author, second author, third author, ... etc), and only for the average percentage > 30%. Named the average royalty percentage as ROYALTY_PERCENTAGE. (2 marks)

```
SELECT ta.au_order, AVG (ta.royaltyshare) AS ROYALTY_PERCENTAGE
FROM Authors a, Title_authors ta
WHERE a.au_id = ta.au_id AND a.state = 'Kedah'
GROUP BY a.au_order
HAVING AVG (ta.royaltyshare) > 30%
```