-- day2 18/01/2022 exercises

use pubs

select \* from INFORMATION\_SCHEMA.tables;

-- 1) select all the author's details

select \* from authors

-- 2) print all the author's full name

select concat(au\_fname,' ',au\_lname) 'Author Full Name'

from authors

-- 3) Print the average price , total price of all the titles

select avg(price) 'Average Price', sum(price) 'Total Price'

from titles

-- 4) Print the average price of a titles published by '0736'

select avg(price) 'Average Price'

from titles

where pub\_id = '0736'

-- 5) print the titles which have advance min of 3200 and maximum of 5000

select title

from titles

where advance > 3200 and advance < 5000

-- 6) Print the titles which are of type 'psychology' or 'mod\_cook'

select title

from titles

where type = 'psychology' or type = 'mod\_cook'

-- 7) print all titles published before '1991-06-09 00:00:00.000'

select title

from titles

where pubdate < '1991-06-09 00:00:00.000'

-- 8) Select all the authors from 'CA'

select \*

from authors

where state = 'CA'

-- 9) Print the average price of titles in every type

select type, avg(price) 'Average Price'

from titles

group by type

-- 10) print the sum of price of all the books pulished by every publisher

select pub\_id, sum(price) 'Sum of Price'

from titles

group by pub\_id

-- 11) Print the first published title in every type

select a.type, a.title, a.pubdate

from titles as a join (select type, min(pubdate) pubdate

                       from titles

                       group by type) as b

on a.type = b.type

and a.pubdate = b.pubdate

-- 12) calculate the total royalty for every publisher

select pub\_id, sum(royalty) 'Total Royalty'

from titles

group by pub\_id

-- 13) print the titles sorted by published date

select title, pubdate

from titles

order by pubdate

-- 14) print the titles sorted by publisher then by price

select title, pub\_id, price

from titles

order by pub\_id, price

-- 15) Print the books published by authors from 'CA'

select distinct title, state

from titles t join titleauthor ta on t.title\_id = ta.title\_id

              join authors a on ta.au\_id = a.au\_id

where state = 'CA'

-- 16) Print the author name of books whcih have royalty more than the average royalty of all the titletes

select concat(au\_fname,' ',au\_lname) 'Author Name'

from titles t join titleauthor ta on t.title\_id = ta.title\_id

              join authors a on ta.au\_id = a.au\_id

where royalty > (select avg(royalty)

                 from titles)

-- 17) Print all the city and the number of pulishers in it, only if the city has more than one publisher

select city, count(pub\_id) 'Num of Publisher'

from publishers

group by city

having count(pub\_id) > 1

-- 18) Print the total number of orders for every title

select title, count(ord\_num) 'Total Orders'

from titles t left outer join sales s on t.title\_id = s.title\_id

group by title

-- 19) Print the total number of titles in every order

select ord\_num, count(title\_id) 'Total Num of Titles'

from sales

group by ord\_num

-- 20) Print the order date and the title name

select ord\_date, title

from sales s join titles t on s.title\_id = t.title\_id

-- 21) Print all the title names and publisher names

select title, pub\_name

from titles t join publishers p on t.pub\_id = p.pub\_id

-- 22) print all the publisher names(even if they have not published) and the title names that they have published

select pub\_name, title

from publishers p left outer join titles t on p.pub\_id = t.pub\_id

-- 23) print the title id and the numebr of authors contributing to it

select title\_id, count(au\_id) 'Num of Authors'

from titleauthor

group by title\_id

-- 24) Print the title name and the author name

select title, concat(au\_fname,' ',au\_lname) 'Author Name'

from titles t join titleauthor ta on t.title\_id = ta.title\_id

              join authors a on ta.au\_id = a.au\_id

-- 25) print the title name, author name and the publisher name

select title, concat(au\_fname,' ',au\_lname) 'Author Name', pub\_name

from titles t join titleauthor ta on t.title\_id = ta.title\_id

              join authors a on ta.au\_id = a.au\_id

              join publishers p on t.pub\_id = p.pub\_id

-- 26) print the title name author name, publisher name, orderid, order date, quantity ordered and the total price

select title, concat(au\_fname,' ',au\_lname) 'Author Name', pub\_name, ord\_num, ord\_date, price\*qty 'Total Price'

from titles t join titleauthor ta on t.title\_id = ta.title\_id

              join authors a on ta.au\_id = a.au\_id

              join publishers p on t.pub\_id = p.pub\_id

              left outer join sales s on t.title\_id = s.title\_id

-- 27) given a title name print the stores in which it ws sold

select stor\_name

from titles t left outer join sales s on t.title\_id = s.title\_id

                         join stores st on s.stor\_id = st.stor\_id

where title = ''

-- 28) Select the stor\_id who have taken more than 2 orders

select stor\_id

from sales

group by stor\_id

having count(stor\_id) > 2

-- 29) Select all the titles and print the first order date (titles that have not be ordered should also be present)

select title, min(ord\_date) 'First Order Date'

from titles t left outer join sales s on t.title\_id = s.title\_id

group by title

-- 30) select all the data from teh orderes and the authors table

select \*

from sales, authors