use pubs

--Qns 1 select all the author's detail

select \* from authors

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

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

from authors

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

select round(avg(price),2) 'Average price', round(sum(price),2)'Total price'

from titles

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

select round(avg(price),2) 'Average price'

from titles

where pub\_id = 0736

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

select title

from titles

where advance between 3200 and 5000

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

select title

from titles

where type in ('psychology','mod\_cook')

--Qns 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'

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

select \*

from authors

where state = 'CA'

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

select round(avg(price),2) 'Average price', type

from titles

group by type

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

select round(sum(price),2) 'Total prices', pub\_id

from titles

group by pub\_id

--Qns 11 Print the first published title in every type (Difficult)

select title

from titles

where title in (

select count(title),type, min(pubdate)

from titles

group by type)

group by type

--Qns 12 calculate the total royalty for every publisher

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

from titles

group by pub\_id

--Qns 13 print the titles sorted by published date

select title

from titles

order by pubdate

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

select title

from titles

order by pubdate, price

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

select title

from titles t

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

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

where state = 'CA'

--Qns 16 Print the author name of books which have more royalty than the average royalty of all the titles (Difficult)

select concat(a.au\_fname ,' ', a.au\_lname) Author\_Name

from authors a

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

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

where t.title\_id in(

select title\_id

from titles

having avg(royalty)< royalty)

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

select \* from sales

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

select sum(qty) 'Total orders', title\_id

from sales

group by title\_id

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

select count(title\_id) 'Total Number Of Titles',ord\_num 'Order ID'

from sales

group by ord\_num

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

select s.ord\_date 'Order date', t.title

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

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

select t.title , p.pub\_name 'Publisher name'

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

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

select t.title , p.pub\_name 'Publisher name'

from titles t

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

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

select title\_id, count(au\_id)'Number Of Authors'

from titleauthor

group by title\_id

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

select t.title , concat(a.au\_fname ,' ', a.au\_lname) 'Author Name'

from authors a

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

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

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

select t.title , concat(a.au\_fname ,' ', a.au\_lname) 'Author Name' , pub\_name 'Publisher Name'

from authors a

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

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

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

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

select t.title , concat(a.au\_fname ,' ', a.au\_lname) 'Author Name' , p.pub\_name 'Publisher Name',

s.ord\_num 'Order ID', s.ord\_date 'Order Date' , s.qty 'Quantity Ordered',(t.price\*s.qty) 'Total Price'

from authors a

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

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

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

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

--Qns 27 given a title name print the stores in which it was sold

select distinct(s.stor\_name)

from stores s join sales sl on s.stor\_id=sl.stor\_id

where sl.ord\_num is not null

--Qns 28 Select the employees who have taken more than 2 orders

select emp\_id

from employee

group by emp\_id

having count(pub\_id) > 2

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

select t.title , min(s.ord\_date) 'First Order Date' from titles t

full join sales s on s.title\_id=t.title\_id

group by title

--Correction (after G3 discussion)

select t.title , min(s.ord\_date) 'First Order Date' from titles t

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

group by title

--Qns 30 select all the data from the sales and the authors table

select \* from sales cross join authors