--1) Select all the author's details

select \* from authors

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

select concat(au\_lname,' ',au\_fname) '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 whicha have advance min of 3200 and maximum of 5000

select \* from titles

where advance between 3200 and 5000

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

select \* from titles

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

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

select \* 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 type, min(pubdate) 'Published Date' from titles

group by type

--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 \* from titles

order by pubdate

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

select \* from titles

order by pub\_id, price

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

select \* from titles

where title\_id in (

select title\_id from titleauthor where au\_id in (

select au\_id from authors where state = 'CA'

)

)

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

select \* from titles

having avg(royalty) < royalty

select concat(au.au\_lname,' ',au.au\_fname) 'Author name', sum(t.royalty) 'Total Royalty'

from titles t join titleauthor ta

on t.title\_id = ta.title\_id join authors au

on ta.au\_id = au.au\_id

where t.royalty is not null

group by concat(au.au\_lname,' ',au.au\_fname)

having sum(t.royalty) > avg(t.royalty)

order by concat(au.au\_lname,' ',au.au\_fname)

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

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

select t.title, sum(s.qty) 'Total orders'

from titles t inner join sales s

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

group by t.title

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

select s.ord\_num, count(t.title) 'Total Number of Titles'

from titles t join sales s

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

group by s.ord\_num

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

select t.title, s.ord\_date

from titles t join sales s

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

order by t.title

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

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

from titles t join publishers p

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

where t.price is null

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

select title\_id, count(au\_id) 'Number of authors'

from titleauthor

group by title\_id

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

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

from titles t join titleauthor ta

on t.title\_id = ta.title\_id join authors au

on ta.au\_id = au.au\_id

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

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

from publishers p join titles t

on p.pub\_id = t.pub\_id join titleauthor ta

on t.title\_id = ta.title\_id join authors au

on ta.au\_id = au.au\_id

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

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

s.ord\_num 'Order Id', s.ord\_date 'Order Date', s.qty, t.price

from publishers p join titles t

on p.pub\_id = t.pub\_id join sales s

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

on t.title\_id = ta.title\_id join authors au

on ta.au\_id = au.au\_id

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

select t.title, s.stor\_id, st.stor\_name, s.payterms

from titles t join sales s

on t.title\_id = s.title\_id join stores st

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

where t.title like '%B%' and s.payterms like '%NET%'

--28) Select the stores who have taken morethan 2 orders

select st.stor\_id, st.stor\_name, count(s.ord\_num) 'Number of orders'

from sales s join stores st

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

group by st.stor\_id, st.stor\_name

order by st.stor\_id

--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 outer join sales s

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

group by t.title

--30) select all the data from the orderes and the authors table (cross join)

select \*

from sales cross join authors