1) Select all the author's details

select \* from authors

2) print all the author's full name

select CONCAT(au\_lname,' ', au\_fname) Author\_Name from authors

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

select title\_id, price, ytd\_sales \* price 'Total Price' from titles

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

select title\_id, price from titles

where pub\_id = 0736

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

select title\_id, title, advance from titles

where advance between 3200 and 5000

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

select title\_id, title, type from titles

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

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

select title\_id, title, pubdate 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, sum(price)/count(type) Avg\_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)'First Published' 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 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 title, pub\_id , a.au\_id, a.state from titles t

join titleauthor ta

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

join authors a

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

where a.state ='CA'

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

select top 1 concat(a.au\_fname, '',a.au\_lname)'Authorname', sum(t.royalty)/count(t.title) 'Average Royalty' from authors a

left join titleauthor ta

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

left join titles t

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

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

order by 2 desc

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

select city, count(pub\_id) number\_count from publishers

group by city

having count(pub\_id) > 1

18) Print the total number of orders for every title

select t.title, count(s.title\_id) 'Total Order' from sales s

join titles t

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

group by t.title

19) Print the total number of titles in every order

select ord\_num, count(title\_id)'Num of Title' from sales

group by ord\_num

20) Print the order date and the title name

select t.title, ord\_date from sales s

join titles t

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

21) Print all the title names and publisher names

select t.title, p.pub\_name from publishers p

join titles t

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

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

select p.pub\_name , t.title from publishers p

left join titles t

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

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

select distinct(title\_id) ,count(title\_id)'Number of Authors'

from titleauthor

group by title\_id

24) Print the title name and the author name

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

from titles t

left join titleauthor ta

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

left join authors a

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

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

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

from titles t

left join titleauthor ta

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

left join publishers p

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

left join authors a

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

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\_fname)'Author Name', p.pub\_name, s.ord\_num,

s.ord\_date, s.qty, (s.qty \* t.price)'total price'

from titles t

left join titleauthor ta

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

left join publishers p

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

left join sales s

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

left join authors a

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

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

select title, stor\_name from titles t

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

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

28) Select the stores which have taken more than 2 orders

select stor\_id, count(stor\_id) as 'Total Order' 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) from titles t left outer join sales s

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

group by title

30) select all the data from the orders and the authors table

select \* from sales cross join authors