--1) Select all the author's details

select \* from authors

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

select CONCAT(au\_fname, ' ' , au\_lname) 'Full Name' from authors

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

select AVG(price) 'Average Price of all titles', SUM(price) 'Total Price of all titles' 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) 'Total Price' from titles group by pub\_id

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

select type, MIN(pubdate) from titles group by type

--12) calculate the total royalty for every publisher

select pub\_id, SUM(royalty) 'Total Royalties' 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 which have royalty more than the average royalty of all the titletes

select CONCAT(au\_fname, ' ' , au\_lname) Name from authors where au\_id in

(

select au\_id from titleauthor where title\_id in

(

select title\_id from titles 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) 'Number of publishers' from publishers group by city having COUNT(pub\_id) > 1

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

select title\_id, COUNT(ord\_num) 'Number of Orders' from sales group by title\_id

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

select ord\_num, count(title\_id) 'Number of Titles' from sales group by ord\_num

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

select ord\_date, t.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, p.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, t.title from publishers p

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

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

select title\_id, COUNT(au\_id) 'Number of Contributing 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\_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 t.title, CONCAT(a.au\_fname,' ',a.au\_lname) 'Author Name', p.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 t.title, CONCAT(a.au\_fname,' ',a.au\_lname) 'Author Name', p.pub\_name, s.ord\_num, s.ord\_date, s.qty, t.price\*s.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

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

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

select st.stor\_name 'Store Name' from titles t

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

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

where t.title = 'Is Anger the Enemy?'

--28) Select the stores who have taken more than 2 orders

select \* from stores where stor\_id in

(

select stor\_id from sales group by stor\_id having COUNT(ord\_num) > 2 order by 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) from titles t

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

group by t.title

order by t.title

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

select \* from sales cross join authors