
Set 1

---

1) Print all the titles names

```
select title 'Titles' from titles
```

2) Print all the titles that have been published by 1389

```
select title 'Titles' from titles where pub_id='1389'
```

3) Print the books that have price in range of 10 to 15

```
select title 'Titles' from titles where price between 10 and 15
```

4) Print those books that have no price

```
select title 'Titles' from titles where price is null
```

5) Print the book names that start with 'The'

```
select title 'Titles' from titles where title like 'The%'
```

6) Print the book names that do not have 'v' in their name

```
select title 'Titles' from titles where title not like '%v%'
```

7) print the books sorted by the royalty

```
select title 'Titles', royalty 'Royalty' from titles order by royalty
```

8) print the books sorted by publisher in descending then by types in ascending then by price in descending

```
select title 'Titles',pub_id 'PUB ID',type 'Type',price 'Price' from titles
order by pub_id desc,type asc,price desc
```

9) Print the average price of books in every type

```
select AVG(price) 'Average Price',type 'Type' from titles group by type
```

10) print all the types in unique

```
select distinct type 'Type' from titles
```

11) Print the first 2 costliest books

```
select top 2 title 'Titles',price 'Price' from titles order by price desc
```

12) Print books that are of type business and have price less than 20 which also have advance greater than 7000

```
select title 'Titles',price 'Price',advance 'Advance' from titles where
type='business' and price<20 and advance>7000
```

13) Select those publisher id and number of books which have price between 15 to 25 and have 'It' in its name. Print only those which have count greater than 2. Also sort the result in ascending order of count(No Such Books are in the database. Query results in an empty table)

```
select pub_id 'Publisher ID',count(title_id) 'No of Books' from titles
where price between 15 and 25 and title like '%It%'
group by pub_id having count(title_id)>2 order by COUNT(title_id) asc
```

14) Print the Authors who are from 'CA'

```
select au_fname+' '+au_lname 'Author Name', state 'State' from authors
where state='CA'
```

15) Print the count of authors from every state

```
select count(au_id) 'No. of Publishers',state from authors group by state
```

Set 2

---

1) Print the store id and number of orders for the store

```
select stor_id 'Store ID',COUNT(ord_num) 'Number of Orders' from sales
group by stor_id
```

2) print the number of orders for every title(Same as SET 2 QUES 13)

```
SELECT SUM(qty) 'Total Order Quantity', t.title 'Book name'
FROM sales s
JOIN titles t ON s.title_id = t.title_id
GROUP BY t.title, s.title_id
```

3) print the publisher's name and book name(One book have many publishers results in 144 rows)

```
select distinct title 'Book',pub_name 'Publisher Name' from titles, publishers
```

4) Print the author's full name for all the authors

```
select au_fname+' '+au_lname 'Author' from authors
```

5) Print the price of every book with tax (price + price*12.36/100)

```
select title 'Title',price 'Price', (price+price*12.36/100) as Tax from titles
```

6) Print the author's name, title name

```
select a.au_fname+' '+au_lname 'Author',t.title from authors a,titles t,titleauthor ta
where a.au_id=ta.au_id and t.title_id=ta.title_id
```

7) print the author's name, title name and the publisher's name

```
select a.au_fname+' '+au_lname 'Author',t.title 'Book', p.pub_name 'Publisher'
from authors a,titles t,titleauthor ta ,publishers p where a.au_id=ta.au_id and
t.title_id=ta.title_id and p.pub_id=t.pub_id
```

8) Print the average price of books published by every publisher

```
select AVG(price) 'Average Price', pub_name 'Publisher Name' from titles t
JOIN publishers p on t.pub_id=p.pub_id
group by pub_name,t.pub_id
```

9) print the books published by 'Marjorie'(Marjorie is not a publisher but a author)

```
select a.au_fname+' '+au_lname as Author,t.title 'Book' from authors a,titles t,titleauthor ta
where a.au_id=ta.au_id and t.title_id=ta.title_id and au_fname like '%Marjorie%'
```

10) Print the order numbers of books published by 'New Moon Books'

```
select distinct ord_num 'Order Number' from sales where title_id in
(select title_id from titles where pub_id=
(select pub_id from publishers where pub_name='New Moon Books'))
```

11) Print the number of orders for every publisher

```
select pub_name 'Publisher Name',count(qty) 'NO of Orders' from publishers p,titles t, sales s
where p.pub_id=t.pub_id and s.title_id=t.title_id group by pub_name
```

12) print the order number, book name, quantity, price and the total price for all orders

```
select ord_num 'Order Number',qty 'Quanity',price 'Price',(price*qty) as 'Total Price'
from titles t, sales s where s.title_id=t.title_id
```

13) print the total order quantity for every book

```
SELECT SUM(qty) 'Total Order Quantity', t.title 'Book name'
FROM sales s
JOIN titles t ON s.title_id = t.title_id
GROUP BY t.title, s.title_id
```

14) print the total order value for every book

```
SELECT t.title 'Book name',(SUM(qty*price))
as 'Total Order Value' FROM sales s JOIN titles t ON s.title_id = t.title_id
GROUP BY t.title, s.title_id
```

15) print the orders that are for the books published by the publisher for which 'Paolo' works for

```
select ord_num 'Order Number',t.title 'Book Name' from sales s,titles t
where t.title_id=s.title_id and s.title_id in
(select title_id from titles  where pub_id=
(select pub_id from employee where fname='Paolo'))
```