SET - 1

1)Print all the titles names

SELECT title

FROM titles

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

select title

from titles where pub\_id = 1389

select title,pub\_id from titles where pub\_id = 1389

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

select title

from titles where price between 10 and 15

select title,price from titles where price between 10 and 15

4) Print those books that have no price

SELECT \*

FROM titles

WHERE null IS NULL OR price = 0;

select title,price

from titles where price = null

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

select title

from titles where title like 'The%'

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

SELECT title

FROM titles

WHERE title NOT LIKE '%v%';

7) print the books sorted by the royalty

SELECT \*

FROM titles

ORDER BY royalty DESC;

select title,royalty from titles order by royalty desc -- Descending order

select title,royalty from titles order by royalty asc -- Ascending order

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

SELECT \*

FROM titles

ORDER BY pub\_id DESC, type ASC, price DESC;

select title,pub\_id,type,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' from titles

SELECT type, AVG(price) as avg\_price

FROM titles

GROUP BY type;

10) print all the types in Unique’s

select type from titles

11) Print the first 2 costliest books

SELECT TOP 2 title, 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 \*

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

SELECT title\_id, COUNT(\*) AS book\_count

FROM titles

WHERE price BETWEEN 15 AND 25

AND title LIKE '%It%'

GROUP BY title\_id

HAVING COUNT(\*) > 2

ORDER BY book\_count ASC;

select Pub\_id, count(\*) as NumberOfBooks

from titles

where price between 15 and 25 and title like '%It%'

group by pub\_id

having count(\*) > 2

order by NumberOfBooks ASC

14) Print the Authors who are from 'CA'

select state,au\_fname,au\_lname

from authors where state = 'CA'

15) Print the count of authors from every state

select state, COUNT(\*) as AuthorCount from authors group by state

SET - 2

1. Print the storeid and number of orders for the store

select Stor\_id, count(\*) as NumberOfOrders

from sales group by stor\_id

2) print the number of orders for every title

select title\_id, count(\*) as NumberOfOrders from sales group by title\_id

3) print the publisher name and book name

select P.pub\_name as PublisherName, T.title as BookTitle

from Publishers P inner join Titles T on P.pub\_id = T.pub\_id

4) Print the author full name for all the authors

select concat(au\_fname, ' ', au\_lname) as AuthorFullName

from authors

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

select title,Price, (Price + (Price \* 12.36/100)) as PriceWithTax from titles;

6) Print the author name, title name

select concat(A.au\_fname, ' ', A.au\_lname) as AuthorName, T.title as Title from Authors A, Titles T

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

SELECT authors.au\_fname, titles.title,publishers.pub\_name

FROM titleauthor

JOIN authors ON titleauthor.au\_id = authors.au\_id

JOIN titles ON titleauthor.title\_id = titles.title\_id

JOIN publishers ON publishers.pub\_id=titles.pub\_id

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

select P.pub\_name as PublisherName, avg(T.price) as AveragePrice

from Publishers P

inner join Titles T on P.pub\_id = T.pub\_id

group by P.pub\_name;

9) print the books published by 'Marjorie'

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 a.pub\_name, t.title,ta.ord\_num

FROM publishers AS a

JOIN titles AS t ON a.pub\_id = t.pub\_id

JOIN sales AS ta ON t.title\_id = ta.title\_id

where pub\_name='New Moon Books'

11) Print the number of orders for every publisher

select P.pub\_name as PublisherName, count(S.ord\_num) as NumberOfOrders

from Publishers P

left join Titles T on P.pub\_id = T.pub\_id

left join Sales S on T.title\_id = S.title\_id

group by P.pub\_name

order by PublisherName;

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

select S.ord\_num as OrderNumber, T.title as BookName, S.qty as Quantity, T.price as Price, (S.qty \* T.price) as TotalPrice

from Sales S

inner join Titles T on S.title\_id = T.title\_id;

13) print the total order quantity for every book

select T.title as BookName, sum(S.qty) as TotalQuantity

from Titles T

left join Sales S on T.title\_id = S.title\_id

group by T.title

order by TotalQuantity desc

14) print the total ordervalue for every book

select T.title as BookName, sum(S.qty \* T.price) as TotalOrderValue from Titles T

left join Sales S on T.title\_id = S.title\_id

group by T.title

order by TotalOrderValue desc

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

SELECT s.ord\_num

FROM titles AS t

JOIN sales AS s ON t.title\_id = s.title\_id

JOIN publishers AS p ON t.pub\_id = p.pub\_id

JOIN employee AS e ON p.pub\_id = e.pub\_id

WHERE e.fname = 'Paolo';