**Order**

1. Find all subjects sorted by subject select \* from subjects order by subject asc;
2. Find all subjects sorted by location select \* from subjects order by location asc;

**Where**

1. Find the book "Little Women" select \* from books where title ='Little Women';
2. Find all books containing the word "Python" select \* from books where title like '%Python%';
3. Find all subjects with the location "Main St" sort them by subject select \* from subjects where location = 'Main St' order by subject asc;

**Joins**

* Find all books about Computers list ONLY book title  select title from books a join subjects b on a.subject\_id = b.id where subject = 'Computers';
* Find all books and display ONLY   select b.title, c.first\_name, c.last\_name, a.subject from subjects a join books b on a.id = b.subject\_id join authors c on b.author\_id = c.id
  + Book Title
  + Author’s first name
  + Author's last name
  + Book subject
* Find all books that are listed in the stock table

select a.title, c.retail from books a join editions b on a.id = b.book\_id join stock c on b.isbn = c.isbn order by c.retail desc;

* + Sort them by retail price (most expensive first)
  + Display ONLY: title and price

Find the book "Dune" and display ONLY

select a.title, c.isbn, d.name, c.retail from books a  join editions b on a.id = b.book\_id  join stock c on b.isbn = c.isbn  join publishers d on b.publisher\_id = d.id  where a.title = 'Dune';

* + Book title
  + ISBN number
  + Publisher name
  + Retail price
* Find all shipments sorted by ship date display ONLY:

Shipments, Customers, Editions, Books

select c.first\_name, c.last\_name, d.ship\_date, b.title from editions a  join books b on a.book\_id = b.id join shipments d on d.isbn = a.isbn join customers c on c.id = d.customer\_id order by d.ship\_date;

* + Customer first name
  + Customer last name
  + ship date
  + book title

**Grouping and Counting**

1. Get the COUNT of all books select COUNT(\*) from books;
2. Get the COUNT of all Locations select count(location) from subjects;
3. Get the COUNT of each unique location in the subjects table. Display the count and the location name. (hint: requires GROUP BY).

select distinct (location), count(location) from subjects group by location;

1. List all books. Display the book\_id, title, and a count of how many editions each book has. (hint: requires GROUP BY and JOIN)

Need: Books, Editions

select b.book\_id, a.title, count(b.book\_id) from books a join editions b on a.id=b.book\_id group by b.book\_id, a.title

**YAY! You're done!!**