

Refining Selections

More Weapons In The Arsenal

But First...

Some New Books!

```
INSERT INTO books
    (title, author_fname, author_lname, released_year, stock_quantity, pages)
VALUES ('10% Happier', 'Dan', 'Harris', 2014, 29, 256),
    ('fake_book', 'Freida', 'Harris', 2001, 287, 428),
    ('Lincoln In The Bardo', 'George', 'Saunders', 2017, 1000, 367);
```

DISTINCT

```
SELECT DISTINCT author_lname FROM books;
```

What About DISTINCT
Full Names??????



ORDER BY

Sorting Our Results


```
SELECT author_lname FROM books ORDER BY author_lname;
```

ASCENDING By Default

But, you can change
that...

```
SELECT author_lname FROM books ORDER BY author_lname DESC;
```

Numbers Too

```
SELECT released_year FROM books ORDER BY released_year;
```

```
SELECT title, author_fname, author_lname  
FROM books ORDER BY 2;
```

One Last Thing!


```
SELECT author_fname, author_lname FROM books  
ORDER BY author_lname, author_fname;
```

LIMIT

```
SELECT title, released_year FROM books  
ORDER BY released_year DESC LIMIT 5;
```

```
SELECT title, released_year FROM books  
ORDER BY released_year DESC LIMIT 0,5;
```

```
SELECT title, released_year FROM books  
ORDER BY released_year DESC LIMIT 5,7;
```

```
SELECT * FROM tbl LIMIT 95,18446744073709551615;
```

LIKE

Better searching

There's a book I'm looking for...

But I can't remember the title!

I know the author's first name is David...

Or wait, maybe it's Dan...or Dave

LIKE

```
WHERE author_fname LIKE '%da%'
```



WILDCARDS

LIKE

```
WHERE author_fname LIKE 'da%'
```

"I want names that start with *da* "

LIKE

```
WHERE stock_quantity LIKE '_____'
```

Yes, that is 4 underscores

But What If...

I'm searching for a book with a '%' in it

I'm searching for a book with an '_' in it

```
WHERE title LIKE '%\%%'
```

```
WHERE title LIKE '%\_ %'
```

Your Turn!



Select All Story Collections

Titles That contain 'stories'

title	
What We Talk About When We Talk About Love: Stories	
Where I'm Calling From: Selected Stories	
Oblivion: Stories	

Find The Longest Book

Print Out the Title and Page Count

+-----+	
title	pages
+-----+	
The Amazing Adventures of Kavalier & Clay	634
+-----+	

Print a summary containing the title and
year, for the 3 most recent books

```
+-----+
| summary |
+-----+
| Lincoln In The Bardo - 2017 |
| Norse Mythology - 2016      |
| 10% Happier - 2014         |
+-----+
```

Find all books with an author_lname
that contains a space(" ")

title	author_lname
Oblivion: Stories	Foster Wallace
Consider the Lobster	Foster Wallace

Don't Cheat!

Find The 3 Books With The Lowest Stock

Select title, year, and stock

title	released_year	stock_quantity
American Gods	2001	12
Where I'm Calling From: Selected Stories	1989	12
What We Talk About When We Talk About Love: Stories	1981	23

Print title and author_lname, sorted first
by author_lname and then by title

title	author_lname
What We Talk About When We Talk About Love: Stories	Carver
Where I'm Calling From: Selected Stories	Carver
The Amazing Adventures of Kavalier & Clay	Chabon
White Noise	DeLillo
A Heartbreaking Work of Staggering Genius	Eggers
A Hologram for the King: A Novel	Eggers
The Circle	Eggers
Consider the Lobster	Foster Wallace
Oblivion: Stories	Foster Wallace
American Gods	Gaiman
Coraline	Gaiman
Norse Mythology	Gaiman
10% Happier	Harris
fake_book	Harris
Interpreter of Maladies	Lahiri
The Namesake	Lahiri
Lincoln In The Bardo	Saunders
Just Kids	Smith
Cannery Row	Steinbeck

Make This Happen...

Sorted Alphabetically By Last Name

```
+-----+
| yell                                     |
+-----+
| MY FAVORITE AUTHOR IS RAYMOND CARVER!  |
| MY FAVORITE AUTHOR IS RAYMOND CARVER!  |
| MY FAVORITE AUTHOR IS MICHAEL CHABON!  |
| MY FAVORITE AUTHOR IS DON DELILLO!     |
| MY FAVORITE AUTHOR IS DAVE EGGERS!     |
| MY FAVORITE AUTHOR IS DAVE EGGERS!     |
| MY FAVORITE AUTHOR IS DAVE EGGERS!     |
| MY FAVORITE AUTHOR IS DAVID FOSTER WALLACE! |
| MY FAVORITE AUTHOR IS DAVID FOSTER WALLACE! |
| MY FAVORITE AUTHOR IS NEIL GAIMAN!     |
| MY FAVORITE AUTHOR IS NEIL GAIMAN!     |
| MY FAVORITE AUTHOR IS NEIL GAIMAN!     |
| MY FAVORITE AUTHOR IS FREIDA HARRIS!   |
| MY FAVORITE AUTHOR IS DAN HARRIS!      |
| MY FAVORITE AUTHOR IS JHUMPA LAHIRI!   |
| MY FAVORITE AUTHOR IS JHUMPA LAHIRI!   |
| MY FAVORITE AUTHOR IS GEORGE SAUNDERS!  |
| MY FAVORITE AUTHOR IS PATTI SMITH!     |
| MY FAVORITE AUTHOR IS JOHN STEINBECK!  |
+-----+
```