Lesson 8- refining our selection

- 1- Seed data: Adding couple of new books
- 2- Using distinct
- 3- Sorting data with order by
- 4- Using limit
- 5- Better searches with like
- 6- Like part 2: more wildcard
- 7- Refining selection exercise

1-Distinct command

System 1

Try lastname without distinct command



Try lastname with distinct command

mysql> SELECT DISTINCT author_lname FROM books;

System 2 (it work with string as well)

Try release date without distinct command

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Try release date with distinct command

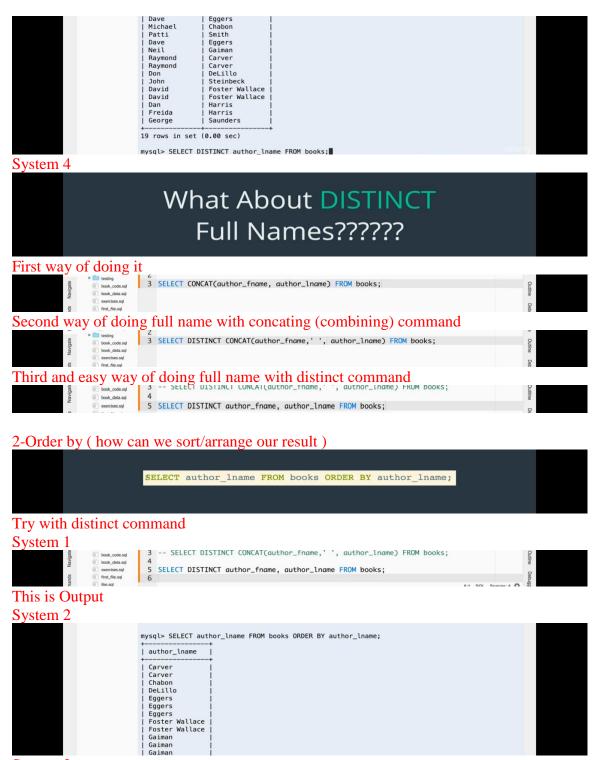
| 2000 | | 2010 | | 2001 | | 2003 | | | 1981 | | 1985 | | 1945 | | 1945 | | 2004 | | 2004 | | 2004 | | 2004 | | 2005 | | 2014 | | 2001 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017 | | 2017
```

System 3

Try firstname and lastname without distinct command



Try firstname and lastname with distinct command



System 3

```
The Amazing Adventures of Kavalier & Clay
Just Kids
A Heartbreaking Work of Staggering Genius
Coraline
What We Talk About When We Talk About Love: Stories
Where I'm Calling From: Selected Stories
White Noise
Cannery Row
Oblivion: Stories
Consider the Lobster
10% Happier
fake_book
Lincoln In The Bardo
                                          19 rows in set (0.00 sec)
                                          mysql> SELECT title FROM books ORDER BY title;■
System 3
                                          SELECT author_lname FROM books ORDER BY author_lname DESC;
This is output
                                          | author_lname |
                                            Steinbeck
Smith |
Saunders
Lahiri
Lahiri
Harris
Gaiman
Gaiman
Goster Wallace
Foster Wallace
Eggers
Eggers
System 4
                                          19 rows in set (0.00 sec)
                                          mysql> SELECT title FROM books ORDER BY title DESC;
( Numbers ) use For Highest price of item or blog post amount or highest release
                                          SELECT released_year FROM books ORDER BY released_year;
System 1
                                           mysql> SELECT released_year FROM books ORDER BY released_year;
                                           | released_year
                                                         1945
                                                         1981
                                                         1985
1989
1996
                                                         2000
2001
2001
2001
2003
                                                         2003
System 2
                                           TA LOWP TH PEC (A'MA PEC)
                                          mysql> SELECT released_year FROM books ORDER BY released_year DESC;
                                             released_year
                                                         2017
2016
2014
2013
2012
2010
2005
2004
2003
2003
2003
```

System 3

title	released_year	pages
Cannery Row	1945	181
What We Talk About When We Talk About Love: Stories	1981	176
White Noise	1985	320
Where I'm Calling From: Selected Stories	1989	526
Interpreter of Maladies	1996	198
The Amazing Adventures of Kavalier & Clay	2000	634
American Gods	2001	465
fake_book	2001	428
A Heartbreaking Work of Staggering Genius	2001	437
The Namesake	2003	291
Coraline	2003	208
Oblivion: Stories	2004	329
Consider the Lobster	2005	343

System 4

title	pages
Cannery Row	181
What We Talk About When We Talk About Love: Stories	176
White Noise	320
Where I'm Calling From: Selected Stories	526
Interpreter of Maladies	198
The Amazing Adventures of Kavalier & Clay	634
American Gods	465
fake_book	428
A Hearthreaking Work of Staggering Genius	1 437

System 5

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

<pre>mysql> mysql> mysql> sql> SELECT title, author_fname, author_lname> FROM books ORDER BY 2;</pre>		
title	author_fname	author_lname
10% Happier	Dan	Harris
A Hologram for the King: A Novel	Dave	Eggers
The Circle	Dave	Eggers
A Heartbreaking Work of Staggering Genius	Dave	Eggers
Consider the Lobster	David	Foster Wallace
Oblivion: Stories	David	Foster Wallace
White Noise	Don	DeLillo

The Amazing Adventures of Kavalier & Clay Oblivion: Stories	David	Foster Wallace
Norse Mythology	Neil	Gaiman
Lincoln In The Bardo	George	Saunders
Just Kids	Patti	Smith
Interpreter of Maladies	Jhumpa	Lahiri
fake_book	Freida	Harris
Coraline	Neil	Gaiman
Consider the Lobster	David	Foster Wallace
Cannery Row	John	Steinbeck
American Gods	Neil	Gaiman
A Hologram for the King: A Novel	Dave	Eggers
A Heartbreaking Work of Staggering Genius	Dave	Eggers
10% Happier	Dan	Harris

System 6

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



```
The refring selection of district and of the refring selection of the refring of the refring of the refring of the refring selection of the refrin
Limit
Order by first 10 best selling book
                                                                                                                              19 rows in set (0.00 sec)
                                                                                                                               mysql> SELECT title FROM books LIMIT 3;
                                                                                                                                     The Namesake
Norse Mythology
American Gods
                                                                                                                               mysql> SELECT * FROM books LIMIT 1;
                                                                                                                               | book_id | title
                                                                                                                                                                                                                   | author_fname | author_lname | released_year | stock_quantity | page
                                                                                                                                                             1 | The Namesake | Jhumpa | Lahiri | 2003 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32 | 29
                                                                                                                               1 row in set (0.00 sec)
                                                                                                                                                             SELECT title, released_year FROM books
                                                                                                                                                               ORDER BY released year DESC LIMIT 5; .
                                                                            refining_selections 1 SELECT title, released_year FROM books ORDER BY released_year;
                                                                 ilmit.sql
ilmit.sql
order_by.sql
                                                                            Telling_selections 1 SELECT title, released_year FROM books ORDER BY released_year DESC;
                                                               il distinct.sql
il limit.sql
il order_by.sql
book_code.sql
                                                                        refining_selections 1 SELECT title, released_year FROM books ORDER BY released_year DESC LIMIT 5;
                                                     imit.sql
imit.sql
order_by.sql
                                                                                                                                                             SELECT title, released_year FROM books
                                                                                                                                                              ORDER BY released_year DESC LIMIT 0,5;
Find particular book
                                                    | Imitsus| 2 | SELECT title, released_year FROM books | ORDER BY released_year DESC LIMIT 10,1; | Selection | ORDER BY released_year DESC LIMIT 10,1; | ORDER BY RELEASED_YEAR DESCRIPTION | ORDER BY RELEASED_Y
From fifth raw to end
                                                                                                                           SELECT * FROM tbl LIMIT 95, 18446744073709551615;
```

But we use normally this



Like (find books)

Customer came and ask these question that not sure about

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

But I can't remember the title!

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

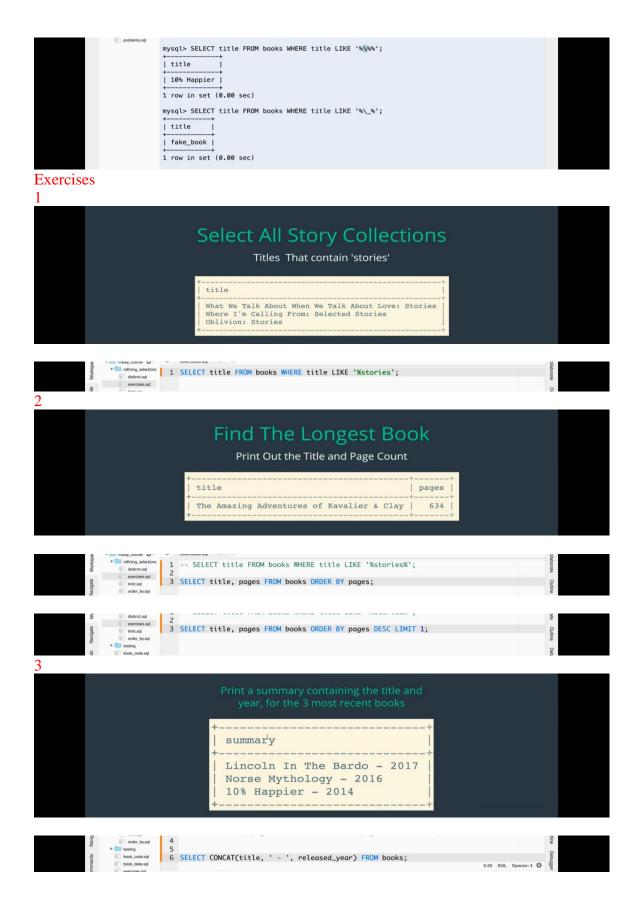
Or wait, maybe it's Dan...or Dave

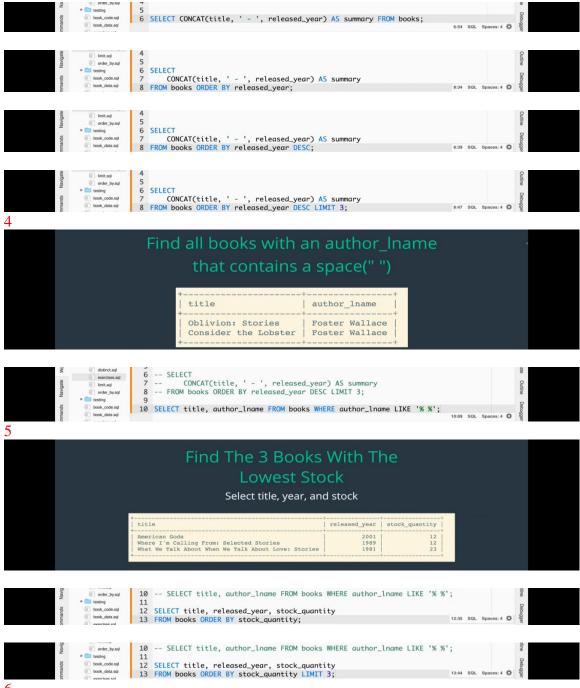


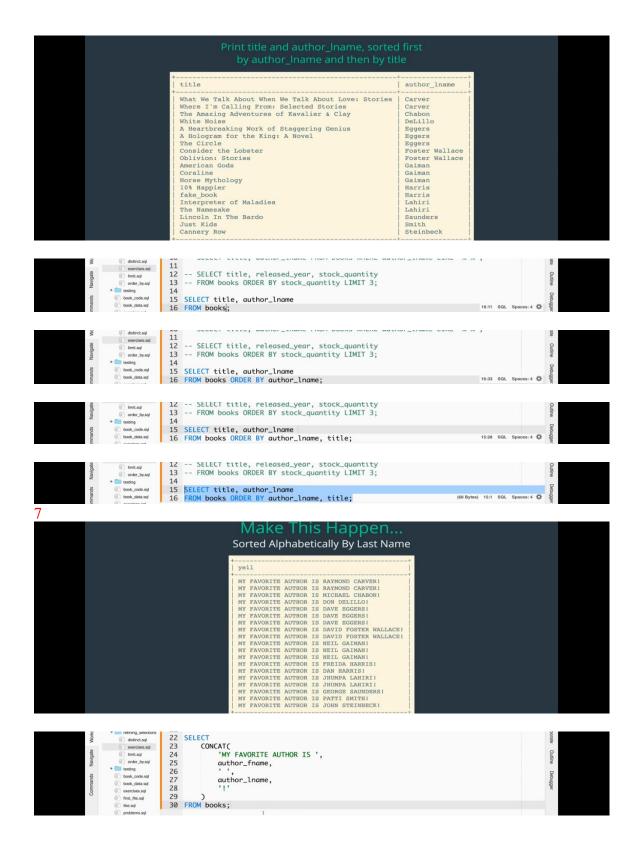
It is basically pattern matching











```
### A CONCATE AUTHOR IS ', author_fname, '', aut
```