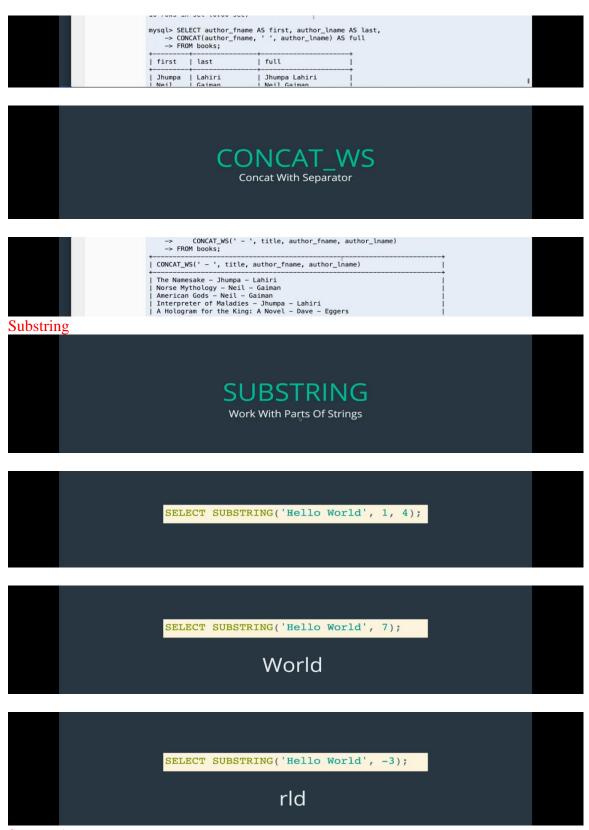
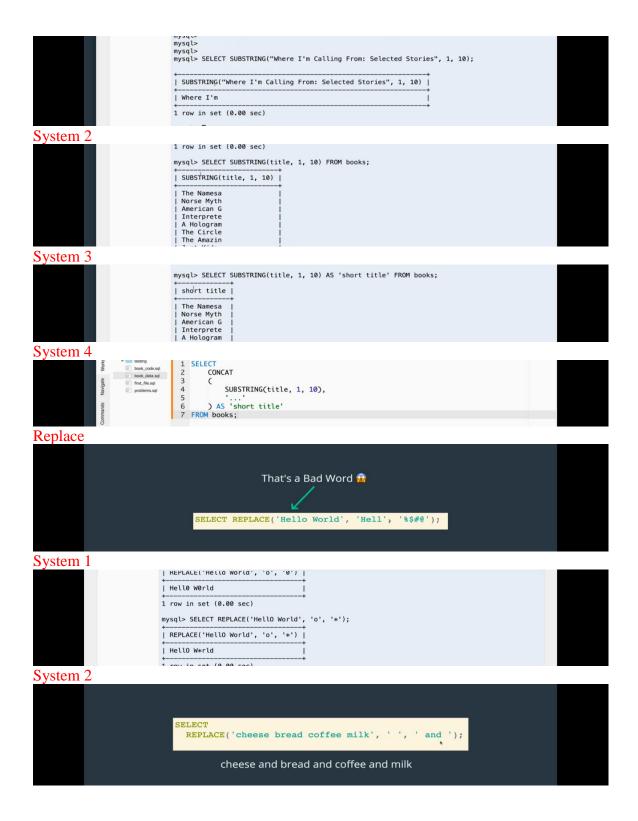
## Lesson 7- The world of string function

- 1- running SQL file
- 2- loading our book data
- 3- working with concat
- 4- introducing substring
- 5- introducing replace
- 6- using reverse
- 7- working with character length
- 8- changing case with upper and lower
- 9- string function challenges





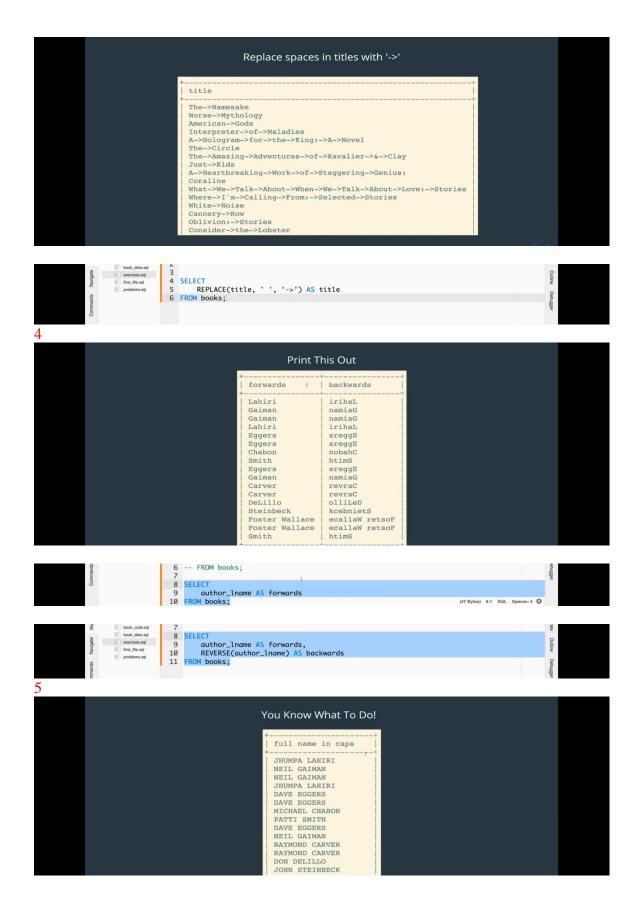
System 1

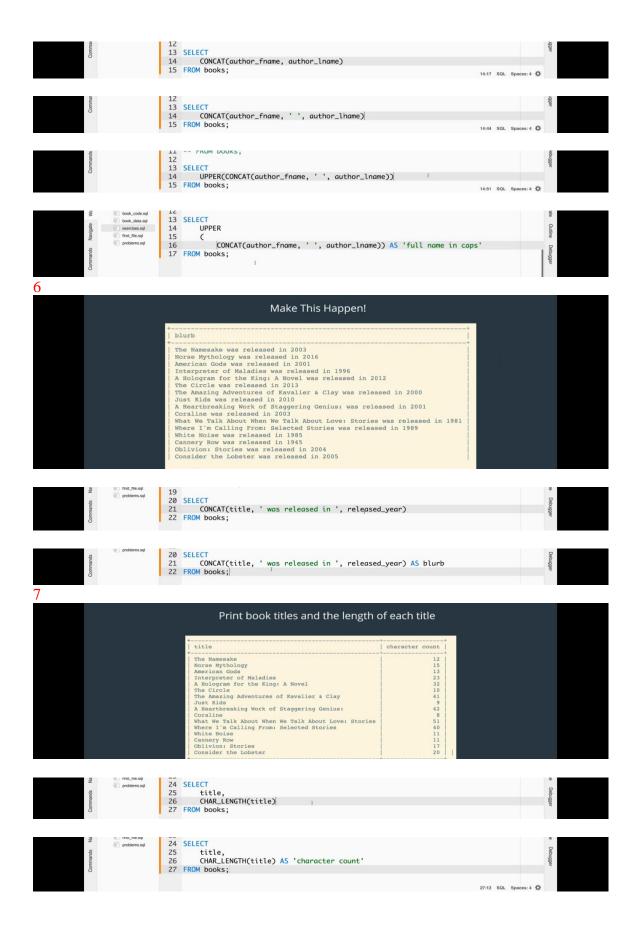




```
System 1
                       SELECT UPPER('Hello World');
                                         HELLO WORLD
                       SELECT LOWER('Hello World');
System 2
                     21
22
23 SELECT CONCAT('MY FAVORITE BOOK IS ',UPPER(title)) FROM books;
                     22
23 SELECT CONCAT('MY FAVORITE BOOK IS ',LOWER(title)) FROM books;
Exercises
                                Reverse and Uppercase the
                                     following sentence
                     1 SELECT REVERSE(UPPER('Why does my cat look at me with such hatred?'));
                                     What Does This Print Out?
                          SELECT
                           REPLACE
                           CONCAT('I', '', 'like', '', 'cats'),
                            );
```

3





```
Last One, I Promise!
                                                                                                                                                                                     short title
                                                                                                                                                                                                                                                                                           author
                                                                                                                                                                                                                                                                                                                                                                                quantity
                                                                                                                                                                                     American G... | Gaiman, Neil | A Heartbre... | Eggers, Dave |
                                                                                                                                                                                                                                                                                                                                                                                  12 in stock
                                                                                                                                                                                                                                                                                                                                                                                104 in stock
                                                                                                                                               28
29
SELECT
30
CONCAT(SUBSTRING(title, 1, 10), '...')
31
FROM books;

    book_data.sql
    exercises.sql
    first_file.sql
    problems.sql

                                                                                                                                        28
29 SELECT
30 CONCAT(SUBSTRING(title, 1, 10), '...') AS 'short title'
31 FROM books;
                                                                                     exercises.sql
first_file.sql
problems.sql
                                                                                                                                      28
29 SELECT
30 CO
31 CC
32 FROM
                                                                         book_data.sql
exercises.sql
first_file.sql
problems.sql
                                                                                                                                                                  CONCAT(SUBSTRING(title, 1, 10), '...') AS 'short title',
CONCAT(author_lname, ',', author_fname ) AS author
FROM books;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Debugger
                                                                                                                                                  28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Outline
                                                                          exercises.sql
first_fie.sql
problems.sql
                                                                                                                                                29 SELECT
30 CO
31 CO
32 CO
                                                                                                                                                                                    CONCAT(SUBSTRING(title, 1, 10), '...') AS 'short title',
CONCAT(author_lname, ',', author_fname ) AS author,
CONCAT(stock_quantity, ' in stock') AS quantity
                                                                                                                                                  33 FROM books;
                                                                        book_code.sql
book_data.sql
exercises.sql
first_file.sql
                                                                                                                                                                                    CONCAT(SUBSTRING(title, 1, 10), '...') AS 'short title',
CONCAT(author_lname, ',', author_fname ) AS author,
CONCAT(stock_quantity, ' in stock') AS quantity

New York | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
New York | 10 | 10 | 10 | 10 | 10 |
New York | 10 | 10 | 10 | 10 | 10 |
New York | 10 | 10 | 10 | 10 | 10 |
New York | 10 | 10 | 10 | 10 | 10 |
New York | 10 | 10 | 10 | 10 | 10 |
New York | 10 | 10 | 10 | 10 | 10 |
New York | 10 | 10 | 10 |
New York | 10 | 10 | 10 | 10 |
New York | 10 | 10 | 10 |
New York | 10 | 10 | 10 |
New York | 10 | 10 | 10 |
New York | 10 |
N
                                                                                                                                                  30
31
32
                                                                                                                                                33 FROM books;
                                                                                                                                         35 '32' I+ ' in stock'

    c:\wamp\bin\mysql\mysql5.5.24\bin\mysql.exe

       sql> _
```