

PROBLEM STATEMENT-4

EMPLOYEE ID : 2587518

Using Mysql String Functions to perform string manipulation

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```
CREATE TABLE books( book_id INT NOT NULL AUTO_INCREMENT, title VARCHAR(100), author_fname  
VARCHAR(100), author_lname VARCHAR(100), released_year INT, stock_quantity INT, pages INT,  
PRIMARY KEY(book_id));
```

```
INSERT INTO books (title, author_fname, author_lname, released_year, stock_quantity,  
pages)VALUES('The Namesake', 'Jhumpa', 'Lahiri', 2003, 32, 291), ('Norse Mythology', 'Neil',  
'Gaiman', 2016, 43, 304), ('American Gods', 'Neil', 'Gaiman', 2001, 12, 465), ('Interpreter of Maladies',  
'Jhumpa', 'Lahiri', 1996, 97, 198), ('A Hologram for the King: A Novel', 'Dave', 'Eggers', 2012, 154, 352),  
( 'The Circle', 'Dave', 'Eggers', 2013, 26, 504), ('The Amazing Adventures of Kavalier & Clay', 'Michael',  
'Chabon', 2000, 68, 634), ('Just Kids', 'Patti', 'Smith', 2010, 55, 304), ('A Heartbreaking Work of Staggering  
Genius', 'Dave', 'Eggers', 2001, 104, 437), ('Coraline', 'Neil', 'Gaiman', 2003, 100, 208), ('What We Talk  
About When We Talk About Love: Stories', 'Raymond', 'Carver', 1981, 23, 176), ("Where I'm Calling  
From: Selected Stories", 'Raymond', 'Carver', 1989, 12, 526), ('White Noise', 'Don', 'DeLillo', 1985, 49,  
320), ('Cannery Row', 'John', 'Steinbeck', 1945, 95, 181), ('Oblivion: Stories', 'David', 'Foster Wallace',  
2004, 172, 329), ('Consider the Lobster', 'David', 'Foster Wallace', 2005, 92, 343);
```

1. Reverse and Uppercase the following sentence

```
SELECT REVERSE(UPPER('why does my cat look at me with such hatred?'));
```

2. What does this printout?

```
SELECT REPLACE(CONCAT('I', ' ', 'like', ' ', 'cats'), ' ', '-');
```

Answer:

prints Ilikecats

3. Replaces Spaces in title with '->' from book table. Answer:

```
update books set title = REPLACE(title, ' ', '->');
```

4.Reverse Authors last name character by character and display all last names and

reverse last names

Answer:

```
SELECT author_lname, REVERSE(author_lname) FROM books;
```

5.Print all author name in capital letters

Answer:

SELECT UPPER(CONCAT(author_fname, ' ', author_lname)) FROM books;

6. Concatenate the title and released_year

Answer:

SELECT CONCAT(title, ' was released in ', released_year) FROM books;

7. Print Book titles and the length of each title

Answer:

SELECT title, Length(title) from books;

8. SQL query to fetch "author_fname" Answer:

SELECT author_fname AS "<AUTHOR_FIRST_NAME>" FROM books;

9. Write an SQL query to fetch "author_fname" from book table in uppercase

Answer:

SELECT UPPER(author_fname) FROM books;

10. Print the first three characters of "author_fname" Answer:

SELECT SUBSTRING(author_fname, 1,3) FROM books;

11. Find the position of the alphabet('m')

Answer:

SELECT POSITION('m' IN 'Michael') FROM books WHERE author_fname ='Michael';

11. Print the "author_fname" from book table

Answer:

SELECT RTRIM(author_fname) FROM books;

12. 13. Print the "author_fname" from book table after replacing 'm' with 'M' Answer:

SELECT REPLACE(author_fname, 'm', 'M') from books;

13. Print all the rows

Answer:

SELECT title as "short title", CONCAT(author_fname, ' ', author_lname) as "Author",
CONCAT(stock_quantity, ' in stock') as "quantity" FROM books;