

## SQL Exercise 3

1. Display all the Supplier names with the initial letter capital.

**ANS:-**

```
mysql> SELECT CONCAT(UPPER(LEFT(SNAME,1)),  
LOWER(SUBSTRING(SNAME,2))) AS ProperCase_SNAME
```

```
-> FROM S
```

```
-> WHERE SNAME IS NOT NULL;
```

```
+-----+
```

```
| ProperCase_SNAME |
```

```
+-----+
```

```
| Clark           |
```

```
| Miller          |
```

```
| Davis           |
```

```
+-----+
```

```
3 rows in set (0.01 sec)
```

2. Display all the Supplier names in upper case.

**ANS:-**

```
mysql> SELECT UPPER(SNAME) AS UpperCase_SNAME
```

```
-> FROM S
```

```
-> WHERE SNAME IS NOT NULL;
```

```
+-----+
```

```
| UpperCase_SNAME |
```

```
+-----+
```

```
| CLARK           |
```

```
| MILLER          |
```

```
| DAVIS           |
```

```
+-----+
```

3 rows in set (0.00 sec)

3. Display all the Supplier names in lower case.

**ANS:-**

```
mysql> SELECT LOWER(SNAME) AS LowerCase_SNAME
```

```
-> FROM S
```

```
-> WHERE SNAME IS NOT NULL;
```

```
+-----+
```

```
| LowerCase_SNAME |
```

```
+-----+
```

```
| clark          |
```

```
| miller         |
```

```
| davis          |
```

```
+-----+
```

3 rows in set (0.00 sec)

4. Display all the Supplier names padded to 25 characters, with spaces on the left.

**ANS:-**

```
mysql> SELECT LPAD(SNAME, 25, ' ') AS LeftPadded_SNAME
```

```
-> FROM S
```

```
-> WHERE SNAME IS NOT NULL;
```

```
+-----+
```

```
| LeftPadded_SNAME |
```

```
+-----+
```

```
|                Clark |
```

```
|                Miller |
```

```
|                Davis  |
```

```
+-----+
```

3 rows in set (0.00 sec)

5. Display all the Supplier names (with 'la' replaced by 'ro').

HINT: REPLACE.

ANS:-

```
mysql> SELECT REPLACE(SNAME, 'la', 'ro') AS Replaced_SNAME
-> FROM S
-> WHERE SNAME IS NOT NULL;
+-----+
| Replaced_SNAME |
+-----+
| Crork          |
| Miller         |
| Davis          |
+-----+
3 rows in set (0.00 sec)
```

6. Implement the above command such that 'l' is replaced with 'r' and 'a' is replaced with 'o'.

ANS:-

```
mysql> SELECT REPLACE(REPLACE(SNAME, 'l', 'r'), 'a', 'o') AS
MultiReplace_SNAME
-> FROM S
-> WHERE SNAME IS NOT NULL;
+-----+
| MultiReplace_SNAME |
+-----+
| Crork              |
| Mirrer             |
| Dovis              |
+-----+
```

```
+-----+
3 rows in set (0.00 sec)
```

7. Display the Supplier names and the lengths of the names.

**ANS:-**

```
mysql> SELECT SNAME, LENGTH(SNAME) AS Name_Length
-> FROM S
-> WHERE SNAME IS NOT NULL;
```

```
+-----+-----+
| SNAME  | Name_Length |
+-----+-----+
| Clark  | 5           |
| Miller | 6           |
| Davis  | 5           |
+-----+-----+
3 rows in set (0.00 sec)
```

**ANS:-**

```
mysql> SELECT *
-> FROM S
-> WHERE SOUNDEX(SNAME) = SOUNDEX('BLOKE');
Empty set (0.00 sec)
```

8. Use the soundex function to search for a supplier by the name of 'BLOKE'.

**ANS:-**

```
mysql> SELECT SNAME,
-> CASE STATUS
-> WHEN 10 THEN 'Ten'
-> WHEN 15 THEN 'Fifteen'
-> WHEN 20 THEN 'Twenty'
-> WHEN 25 THEN 'Twenty-Five'
```

```

->     WHEN 30 THEN 'Thirty'
->     ELSE 'Unknown'
-> END AS Status_Words
-> FROM S
-> WHERE SNAME IS NOT NULL;
+-----+-----+
| SNAME  | Status_Words |
+-----+-----+
| Clark  | Twenty-Five  |
| Miller | Fifteen      |
| Davis  | Thirty       |
+-----+-----+
3 rows in set (0.00 sec)

```

9. Display the Supplier name and the status (as Ten, Twenty, Thirty, etc.).

**ANS:-**

```

mysql> SELECT SNAME,
->     CASE STATUS
->     WHEN 10 THEN 'Ten'
->     WHEN 15 THEN 'Fifteen'
->     WHEN 20 THEN 'Twenty'
->     WHEN 25 THEN 'Twenty-Five'
->     WHEN 30 THEN 'Thirty'
->     ELSE 'Unknown'
-> END AS Status_Words
-> FROM S
-> WHERE SNAME IS NOT NULL;
+-----+-----+
| SNAME  | Status_Words |
+-----+-----+

```

Clark	Twenty-Five	
Miller	Fifteen	
Davis	Thirty	

+-----+-----+

3 rows in set (0.00 sec)

10. Display the current day (e.g. Thursday).

**ANS:-**

```
mysql> SELECT DAYNAME(CURDATE()) AS Today;
```

+-----+
Today
+-----+
Saturday
+-----+

1 row in set (0.01 sec)