

SQL Exercise 3

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

```
mysql> SELECT CONCAT(UPPER(LEFT(sname, 1)), LOWER(SUBSTRING(sname, 2))) AS CapitalizedName
-> FROM s;
+-----+
| CapitalizedName |
+-----+
| Smith           |
| Jones           |
| Blake           |
| Clark           |
| Adams           |
+-----+
5 rows in set (0.01 sec)
```

2. Display all the Supplier names in upper case.

```
mysql> SELECT UPPER(sname) AS UpperCaseName
-> FROM s;
+-----+
| UpperCaseName |
+-----+
| SMITH         |
| JONES         |
| BLAKE         |
| CLARK         |
| ADAMS         |
+-----+
5 rows in set (0.00 sec)
```

3. Display all the Supplier names in lower case.

```
mysql> SELECT LOWER(sname) AS LowerCaseName
-> FROM s;
+-----+
| LowerCaseName |
+-----+
| smith         |
| jones         |
| blake         |
| clark         |
| adams         |
+-----+
5 rows in set (0.00 sec)
```

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

```
mysql> SELECT LPAD(sname, 25, ' ') AS LeftPaddedName
-> FROM s;
+-----+
| LeftPaddedName |
+-----+
|                | Smith |
|                | Jones |
|                | Blake |
|                | Clark |
|                | Adams |
+-----+
5 rows in set (0.01 sec)
```

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

```
mysql> SELECT REPLACE(sname, 'la', 'ro') AS ReplacedName
-> FROM s;
+-----+
| ReplacedName |
+-----+
| Smith        |
| Jones        |
| Broke        |
| Crork        |
| Adams        |
+-----+
5 rows in set (0.00 sec)
```

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

```
mysql> SELECT REPLACE(REPLACE(sname, 'l', 'r'), 'a', 'o') AS DoubleReplaced
-> FROM s;
+-----+
| DoubleReplaced |
+-----+
| Smith          |
| Jones          |
| Broke          |
| Crork          |
| Adoms          |
+-----+
5 rows in set (0.00 sec)
```

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

```
mysql> SELECT sname, CHAR_LENGTH(sname) AS NameLength
-> FROM s;
+-----+-----+
| sname | NameLength |
+-----+-----+
| Smith |          5 |
| Jones |          5 |
| Blake |          5 |
| Clark |          5 |
| Adams |          5 |
+-----+-----+
5 rows in set (0.00 sec)
```

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

```
mysql> SELECT sname
-> FROM s
-> WHERE SOUNDEX(sname) = SOUNDEX('BLOKE');
+-----+
| sname |
+-----+
| Blake |
+-----+
1 row in set (0.00 sec)
```

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

```
mysql> SELECT sname,  
->         CASE status  
->           WHEN 10 THEN 'Ten'  
->           WHEN 20 THEN 'Twenty'  
->           WHEN 30 THEN 'Thirty'  
->           WHEN 40 THEN 'Forty'  
->           ELSE 'Other'  
->         END AS StatusWord  
-> FROM s;  
+-----+-----+  
| sname | StatusWord |  
+-----+-----+  
| Smith | Twenty     |  
| Jones | Ten        |  
| Blake | Thirty     |  
| Clark | Twenty     |  
| Adams | Ten        |  
+-----+-----+  
5 rows in set (0.00 sec)
```

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

```
mysql> SELECT DAYNAME(CURDATE()) AS CurrentDay;  
+-----+  
| CurrentDay |  
+-----+  
| Wednesday  |  
+-----+  
1 row in set (0.01 sec)
```