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 c_name FROM S;
+--------+
| c_name |
+--------+
| Smith  |
| Jones  |
| Blake  |
+--------+
3 rows in set (0.04 sec)
```

2. Display all the Supplier names in upper case.

```
mysql> SELECT UPPER(sname) AS upper_name FROM S;
+------------+
| upper_name |
+------------+
| SMITH      |
| JONES      |
| BLAKE      |
+------------+
3 rows in set (0.00 sec)
```

3. Display all the Supplier names in lower case.

```
mysql> SELECT LOWER(sname) AS lower_name FROM S;
+------------+
| lower_name |
+------------+
| smith      |
| jones      |
| blake      |
+------------+
3 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 padded_name FROM S;
+-------------------------+
| padded_name             |
+-------------------------+
|                   Smith |
|                   Jones |
|                   Blake |
+-------------------------+
3 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 replaced_name FROM S;
+---------------+
| replaced_name |
+---------------+
| Smith         |
| Jones         |
| Broke         |
+---------------+
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'.

```
mysql> SELECT REPLACE(REPLACE(sname, 'l', 'r'), 'a', 'o') AS replaced_name FROM S;
+---------------+
| replaced_name |
+---------------+
| Smith         |
| Jones         |
| Broke         |
+---------------+
3 rows in set (0.00 sec)
```

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

```
mysql> SELECT sname, LENGTH(sname) AS name_length FROM S;
+-------+-------------+
| sname | name_length |
+-------+-------------+
| Smith |           5 |
| Jones |           5 |
| Blake |           5 |
+-------+-------------+
3 rows in set (0.00 sec)
```

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

```
mysql> SELECT * FROM S WHERE SOUNDEX(sname) = SOUNDEX('BLOKE');
+------+-------+--------+----------+
| S#   | Sname | Status | City     |
+------+-------+--------+----------+
| S3   | Blake |     30 | New York |
+------+-------+--------+----------+
1 row in set (0.01 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 status_in_words FROM S;
+-------+-----------------+
| sname | status_in_words |
+-------+-----------------+
| Smith | Twenty          |
| Jones | Ten             |
| Blake | Thirty          |
+-------+-----------------+
3 rows in set (0.00 sec)
```

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

```
mysql> SELECT DAYNAME(CURDATE()) AS current_day;
+-------------+
| current_day |
+-------------+
| Saturday    |
+-------------+
1 row in set (0.00 sec)
```