

SQL Exercise 3

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

```
mysql> select `S#`, concat(upper(left(sname, 1)), lower(substring(sname, 2))) as  
initial_letter_capital from supplier;
```

```
+-----+-----+  
| S# | initial_letter_capital |  
+-----+-----+  
| S1 | Smith                |  
| S2 | Jones                |  
| S3 | Blake                |  
| S4 | Clark                |  
| S5 | Adams                |  
+-----+-----+  
5 rows in set (0.00 sec)
```

2. Display all the Supplier names in upper case.

```
mysql> select `S#`, upper(sname) as uppercase_sname from supplier;
```

```
+-----+-----+  
| S# | uppercase_sname |  
+-----+-----+  
| S1 | SMITH          |  
| S2 | JONES          |  
| S3 | BLAKE          |  
| S4 | CLARK          |  
| S5 | ADAMS          |  
+-----+-----+  
5 rows in set (0.00 sec)
```

3. Display all the Supplier names in lower case.

```
mysql> select `S#`, lower(sname) as lowercase_sname from supplier;
+-----+-----+
| S# | lowercase_sname |
+-----+-----+
| S1 | smith          |
| S2 | jones          |
| S3 | blake          |
| S4 | clark          |
| S5 | 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 `S#`, lpad(sname, 25, ' ') as padded_sname from supplier;
+-----+-----+
| S# | padded_sname |
+-----+-----+
| S1 |                Smith |
| S2 |                Jones |
| S3 |                Blake |
| S4 |                Clark |
| S5 |                Adams |
+-----+-----+
5 rows in set (0.00 sec)
```

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

HINT: REPLACE.

```
mysql> select `S#`, replace(sname, 'la', 'ro') as replace_name from supplier;
+-----+-----+
| S# | replace_name |
+-----+-----+
| S1 | Smith        |
| S2 | Jones        |
| S3 | Broke        |
| S4 | Crork        |
```

S5	Adams
S6	Aromo

6 rows in set (0.01 sec)

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

```
mysql> select `S#`, replace(replace(sname, 'l', 'r'), 'a', 'o') as replace_name from
supplier;
```

S#	replace_name
S1	Smith
S2	Jones
S3	Broke
S4	Cork
S5	Adoms
S6	Aromo

6 rows in set (0.00 sec)

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

```
mysql> select sname, length(sname) as name_length from supplier;
```

sname	name_length
Smith	5
Jones	5
Blake	5
Clark	5
Adams	5
Alamo	5

6 rows in set (0.01 sec)

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

```
mysql> select sname from supplier where soundex(sname) = soundex('BLOKE');
```

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

```
| sname |
```

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

```
| Blake |
```

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

```
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 25 then 'TwentyFive'
```

```
-> when 24 then 'TwentyFour'
```

```
-> when 30 then 'Thirty'
```

```
-> when 40 then 'Forty'
```

```
-> when 50 then 'Fifty'
```

```
-> else 'unknown'
```

```
-> end as status_word
```

```
-> from supplier;
```

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

```
| sname | status_word |
```

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

```
| Smith | Twenty    |
```

```
| Jones | Ten       |
```

```
| Blake | Thirty    |
```

```
| Clark | Twenty    |
```

```
| Adams | TwentyFive |
```

```
| Alamo | TwentyFour |
```

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

```
6 rows in set (0.00 sec)
```

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

```
mysql> select dayname(curdate()) as current_day;
```

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

```
| current_day |
```

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

```
| Monday      |
```

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

```
1 row in set (0.01 sec)
```