

SQL Exercise 2

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

```
mysql> select sname from s where sname=concat(upper(substr(sname,1,1)),lower(substr(sname,2)));
```

sname
Tata
Reliance
Infosys
BP
Total
Shell
Atos
Olympus

8 rows in set (0.01 sec)

2. Display all the Supplier names in upper case.

```
mysql> select upper(sname) from s ;
```

upper(sname)
TATA
RELIANCE
INFOSYS
BP
TOTAL
SHELL
ATOS
OLYMPUS

8 rows in set (0.00 sec)

3. Display all the Supplier names in lower case.

```
mysql> select lower(sname) from s ;
```

lower(sname)
tata
reliance
infosys
bp
total
shell
atos
olympus

8 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," ") from s;
+-----+
| lpad(sname,25," ") |
+-----+
|                    |
|                    |
|                    |
|                    |
|                    |
|                    |
|                    |
|                    |
|                    |
|                    |
+-----+
8 rows in set (0.01 sec)
```

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

```
mysql> select replace(sname,'ta','ro') from s;
+-----+
| replace(sname,'ta','ro') |
+-----+
| Taro                     |
| Reliance                 |
| Infosys                  |
| BP                       |
| Torol                    |
| Shell                    |
| Atos                     |
| Olympus                  |
+-----+
8 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') FROM s;
+-----+
| REPLACE(REPLACE(sname, 'l', 'r'), 'a', 'o') |
+-----+
| Toto                                         |
| Rerionce                                    |
| Infosys                                     |
| BP                                           |
| Totor                                        |
| Sherr                                        |
| Atos                                         |
| Orympus                                     |
+-----+
8 rows in set (0.00 sec)
```

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

```
mysql> select sname , length(sname) as lenghts from s;
+-----+-----+
| sname | lenghts |
+-----+-----+
| Tata  | 4       |
| Reliance | 8      |
| Infosys | 7      |
| BP    | 2       |
| Total | 5       |
| Shell | 5       |
| Atos  | 4       |
| Olympus | 7      |
+-----+-----+
8 rows in set (0.01 sec)
```

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

```
mysql> select * from s where
      -> SOUNDEX(sname) = SOUNDEX('Shell');
+-----+-----+-----+-----+
| S# | Sname | Status | City |
+-----+-----+-----+-----+
| S6 | Shell | 25     | London |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

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

```
mysql> SELECT
      -> Sname AS Supplier_Name,
      -> CASE Status
      ->   WHEN 10 THEN 'Ten'
      ->   WHEN 15 THEN 'Fifteen'
      ->   WHEN 18 THEN 'Eighteen'
      ->   WHEN 20 THEN 'Twenty'
      ->   WHEN 22 THEN 'Twenty-Two'
      ->   WHEN 25 THEN 'Twenty-Five'
      ->   WHEN 30 THEN 'Thirty'
      ->   ELSE 'Other'
      -> END AS Status_Word
      -> FROM s;
+-----+-----+
| Supplier_Name | Status_Word |
+-----+-----+
| Tata          | Ten        |
| Reliance      | Twenty     |
| Infosys      | Thirty     |
| BP            | Fifteen    |
| Total         | Eighteen   |
| Shell         | Twenty-Five |
| Atos          | Twenty     |
| Olympus       | Twenty-Two |
+-----+-----+
8 rows in set (0.00 sec)
```

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

```
mysql> select sysdate();
+-----+
| sysdate() |
+-----+
| 2025-04-14 22:22:00 |
+-----+
1 row in set (0.00 sec)

mysql> select now();
+-----+
| now() |
+-----+
| 2025-04-14 22:22:07 |
+-----+
1 row in set (0.00 sec)
```