

SQL Exercise 3

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

Ans:

```
SELECT CONCAT(UPPER(LEFT(Sname, 1)), LOWER(SUBSTRING(Sname, 2))) AS  
CapitalizedName FROM Supplier;
```

```
mysql> SELECT CONCAT(UPPER(LEFT(Sname, 1)), LOWER(SUBSTRING(Sname, 2))) AS CapitalizedName  
-> FROM Supplier;  
+-----+  
| CapitalizedName |  
+-----+  
| John supplies  |  
| Abc corp       |  
| Global trade   |  
| Prime supplies |  
| Securetech     |  
| Fastgoods      |  
| Techno supplies|  
| Alpha materials|  
| Zeta corp      |  
| Omega parts    |  
+-----+  
10 rows in set (0.01 sec)
```

2. Display all the Supplier names in upper case.

Ans:

```
SELECT UPPER(Sname) AS UppercaseName FROM Supplier ;
```

```
mysql> SELECT UPPER(Sname) AS UppercaseName FROM Supplier ;  
+-----+  
| UppercaseName |  
+-----+  
| JOHN SUPPLIES |  
| ABC CORP      |  
| GLOBAL TRADE  |  
| PRIME SUPPLIES|  
| SECURETECH    |  
| FASTGOODS     |  
| TECHNO SUPPLIES|  
| ALPHA MATERIALS|  
| ZETA CORP     |  
| OMEGA PARTS   |  
+-----+  
10 rows in set (0.00 sec)
```

3. Display all the Supplier names in lower case.

Ans:

SELECT LOWER(Sname) AS LowercaseName FROM Supplier ;

```
mysql> SELECT LOWER(Sname) AS LowercaseName FROM Supplier ;
+-----+
| LowercaseName |
+-----+
| john supplies |
| abc corp      |
| global trade  |
| prime supplies|
| securetech    |
| fastgoods     |
| techno supplies|
| alpha materials|
| zeta corp     |
| omega parts   |
+-----+
10 rows in set (0.00 sec)
```

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

Ans:

SELECT LPAD(Sname, 25, ' ') AS PaddedName FROM Supplier ;

```
mysql> SELECT LPAD(Sname, 25, ' ') AS PaddedName FROM Supplier ;
+-----+
| PaddedName |
+-----+
|          JOHN Supplies |
|          ABC Corp      |
|          Global Trade  |
|          Prime supplies|
|          SecureTech    |
|          FastGoods     |
|          Techno Supplies|
|          Alpha Materials|
|          Zeta Corp     |
|          Omega Parts   |
+-----+
10 rows in set (0.00 sec)
```

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

Ans :

SELECT REPLACE (Sname, 'la', 'ro') AS ReplacedName FROM Supplier ;

```
mysql> SELECT REPLACE (Sname, 'la', 'ro') AS ReplacedName FROM Supplier ;
+-----+
| ReplacedName |
+-----+
| JOHN Supplies |
| ABC Corp      |
| Global Trade  |
| Prime supplies |
| SecureTech    |
| FastGoods     |
| Techno Supplies |
| Alpha Materials |
| Zeta Corp     |
| Omega Parts   |
+-----+
10 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:

SELECT REPLACE(REPLACE(Sname, 'l', 'r'), 'a', 'o') AS ModifiedName FROM Supplier;

```
mysql> SELECT REPLACE(REPLACE(Sname, 'l', 'r'), 'a', 'o') AS ModifiedName FROM Supplier;
+-----+
| ModifiedName |
+-----+
| JOHN Suppries |
| ABC Corp      |
| Grobor Trode  |
| Prime suppries |
| SecureTech    |
| FostGoods     |
| Techno Suppries |
| Arpho Moteriors |
| Zeto Corp     |
| Omegeo Ports  |
+-----+
10 rows in set (0.00 sec)
```

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

Ans:

SELECT Sname , length(Sname) FROM SUPPLIER ;

```
mysql> SELECT Sname , length(Sname) FROM SUPPLIER ;
```

Sname	length(Sname)
JOHN Supplies	13
ABC Corp	8
Global Trade	12
Prime supplies	14
SecureTech	10
FastGoods	9
Techno Supplies	15
Alpha Materials	15
Zeta Corp	9
Omega Parts	11

10 rows in set (0.00 sec)

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

Ans:

SELECT * FROM Supplier WHERE SOUNDEX(Sname) = SOUNDEX('BLOKE');

```
mysql> SELECT * FROM Supplier WHERE SOUNDEX(Sname) = SOUNDEX('BLOKE');
Empty set (0.00 sec)
```

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

Ans:

```
SELECT Sname,  
CASE  
WHEN Status = 10 THEN 'Ten'  
WHEN Status = 20 THEN 'Twenty'  
WHEN Status = 30 THEN 'Thirty'  
WHEN Status = 40 THEN 'Forty'  
ELSE 'Other'  
END AS StatusInWords  
FROM Supplier;
```

```
mysql> SELECT Sname,  
-> CASE  
->   WHEN Status = 10 THEN 'Ten'  
->   WHEN Status = 20 THEN 'Twenty'  
->   WHEN Status = 30 THEN 'Thirty'  
->   WHEN Status = 40 THEN 'Forty'  
->   ELSE 'Other'  
-> END AS StatusInWords  
-> FROM Supplier;
```

Sname	StatusInWords
JOHN Supplies	Other
ABC Corp	Other
Global Trade	Other
Prime supplies	Other
SecureTech	Other
FastGoods	Twenty
Techno Supplies	Other
Alpha Materials	Other
Zeta Corp	Other
Omega Parts	Other

10 rows in set (0.00 sec)

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

Ans:

```
SELECT DAYNAME(CURDATE()) AS CurrentDay;
```

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

