

SQL Practice Queries

1. SELECT display the ENAMEs with the initial letter capital
e.g.

EMP

ENAME

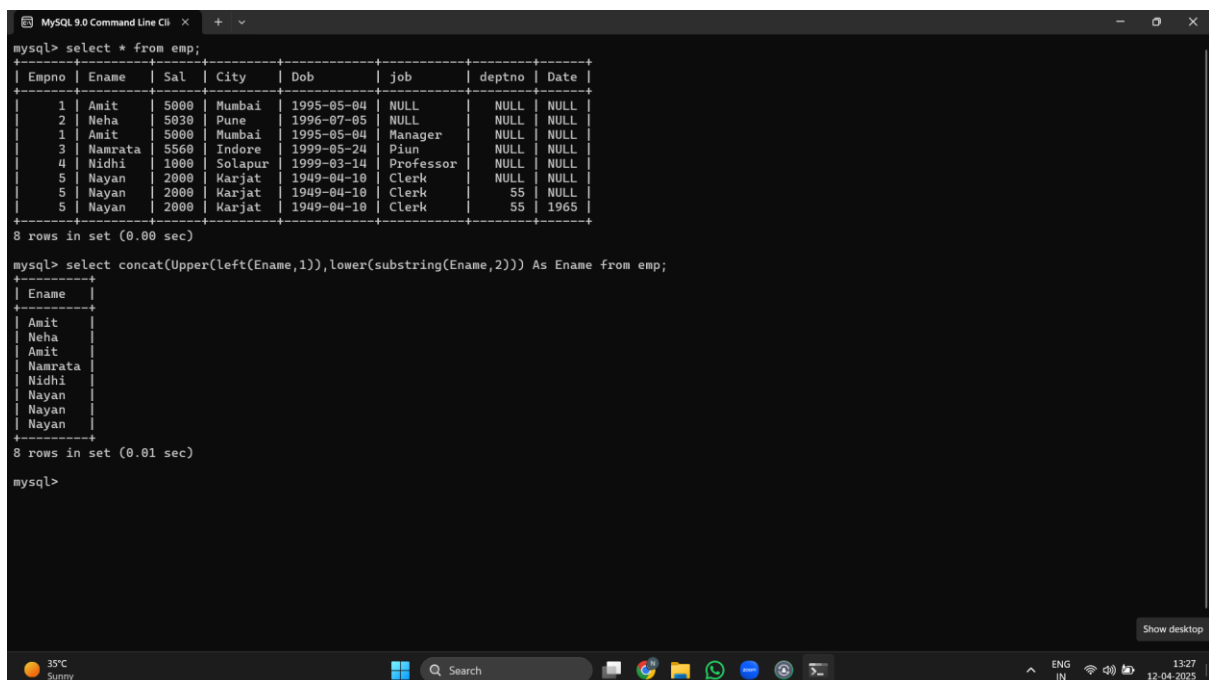
SCOTT

KING

output

Scott

King



```
mysql> select * from emp;
```

Empno	Ename	Sal	City	Dob	job	deptno	Date
1	Amit	5000	Mumbai	1995-05-04	NULL	NULL	NULL
2	Neha	5030	Pune	1996-07-05	NULL	NULL	NULL
1	Amit	5000	Mumbai	1995-05-04	Manager	NULL	NULL
3	Namrata	5560	Indore	1999-05-24	Plun	NULL	NULL
4	Nidhi	1000	Solapur	1999-03-14	Professor	NULL	NULL
5	Nayan	2000	Karjat	1949-04-10	Clerk	NULL	NULL
5	Nayan	2000	Karjat	1949-04-10	Clerk	55	NULL
5	Nayan	2000	Karjat	1949-04-10	Clerk	55	1965

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

```
mysql> select concat(Upper(left(ENAME,1)),lower(substring(ENAME,2))) As ENAME from emp;
```

ENAME
Amit
Neha
Amit
Namrata
Nidhi
Nayan
Nayan
Nayan

```
8 rows in set (0.01 sec)
```

```
mysql>
```

2. SELECT display the ENAMEs centre-justified. Assume screen width is 60
characters.

e.g.

ENAME

SCOTT

KING

output

28 *'s SCOTT 27 *'s

28 *'s KING 28 *'s

```
mysql> SELECT
->   CONCAT(
->     REPEAT('*', FLOOR((60 - LENGTH(ENAME)) / 2)),
->     ENAME,
->     REPEAT('*', CEIL((60 - LENGTH(ENAME)) / 2))
->   ) AS CENTERED_ENAME
-> FROM EMP;
+-----+
| CENTERED_ENAME |
+-----+
| *****Amit***** |
| *****Neha***** |
+-----+
2 rows in set (0.01 sec)
```

3. SELECT display the **starting** position of the **second** occurrence of the string 'un' in the ENAME column.

e.g.

ENAME

Arun Purun

Tarun Arun

Sirun Kirun

Nutan Purun

output

9
9
10
0

```
mysql> SELECT
->   ENAME,
->   LOCATE('un', ENAME, LOCATE('un', ENAME) + 1) AS second_un_pos
-> FROM EMP;
```

ENAME	second_un_pos
Amit	0
Neha	0

2 rows in set (0.00 sec)

4. SELECT spell out the SAL column up to 5 million (ignore paise)

e.g.
EMP

SAL

3000

4500

output

Three thousand

Four thousand Five hundred

```
mysql> SELECT
->     SAL,
->     CASE SAL
->         WHEN 3000 THEN 'Three thousand'
->         WHEN 4500 THEN 'Four thousand Five hundred'
->         WHEN 5000 THEN 'Five thousand'
->         WHEN 10000 THEN 'Ten thousand'
->
->         ELSE 'Amount not mapped'
->     END AS SAL_IN_WORDS
-> FROM EMP;
+-----+-----+
| SAL   | SAL_IN_WORDS          |
+-----+-----+
| 5000  | Five thousand         |
| 4000  | Amount not mapped     |
+-----+-----+
2 rows in set (0.00 sec)
```

5. SELECT display the ENAMES with the vowels removed

e.g.

EMP

ENAME

King

Scott

Anita

output

Knq

Sc tt

nt

```
mysql> SELECT
->   ENAME,
->   REPLACE(
->     REPLACE(
->       REPLACE(
->         REPLACE(
->           REPLACE(
->             REPLACE(
->               REPLACE(
->                 REPLACE(
->                   REPLACE(ENAME, 'A', ''), 'E', ''),
->                     'I', ''), 'O', ''),
->                 'U', ''), 'a', ''),
->             'e', ''), 'i', ''),
->         'o', ''), 'u', '') AS ENAME_NO_VOWELS
-> FROM EMP;
```

ENAME	ENAME_NO_VOWELS
Amit	mt
Neha	Nh

2 rows in set (0.01 sec)

6. SELECT sysdate() - hiredate

Display the experience of the employees in years, remainder months, days, hours, minutes, and seconds

e.g.

HIREDATE -> 2023-07-01 10:15:04

SYSDATE -> 2024-09-24 14:30:45

output

1 year, 2 months, 23 days, 4 hours, 15 minutes, 41 seconds

```
mysql> SELECT
->   CONCAT(
->     FLOOR(DATEDIFF(SYSDATE(), dob) / 365), ' years, ',
->     FLOOR((DATEDIFF(SYSDATE(), dob) % 365) / 30), ' months, ',
->     FLOOR((DATEDIFF(SYSDATE(), dob) % 365) % 30), ' days, ',
->     FLOOR(TIMESTAMPDIFF(SECOND, dob, SYSDATE()) / 3600) % 24, ' hours, ',
->     FLOOR(TIMESTAMPDIFF(SECOND, dob, SYSDATE()) / 60) % 60, ' minutes, ',
->     TIMESTAMPDIFF(SECOND, dob, SYSDATE()) % 60, ' seconds'
->   ) AS experience
-> FROM Emp;
```

```
+-----+
| experience |
+-----+
| 30 years, 3 months, 6 days, 10 hours, 23 minutes, 58 seconds |
| 25 years, 4 months, 28 days, 10 hours, 23 minutes, 58 seconds |
+-----+
```

2 rows in set (0.01 sec)

```
mysql>
```