

EXERCISE 6

1.

```
mysql> select current_date() AS Date;
+-----+
| Date          |
+-----+
| 2024-05-20    |
+-----+
```

2.

```
mysql> select empno,lastname,salary,ROUND(salary*1.155) AS " New Salary" from emp;
+-----+-----+-----+-----+
| empno | lastname | salary | New Salary |
+-----+-----+-----+-----+
| 1     | Vijay    | 1000000 | 1155000    |
| 2     | Hardik   | 500000  | 577500     |
| 3     | Karthik  | 700000  | 808500     |
| 4     | Ruthprabhu | 750000 | 866250     |
+-----+-----+-----+-----+
```

3.

```
mysql> select empno,lastname,salary,ROUND(salary*1.155) AS " New Salary", ROUND(salary*1.155 - salary) AS Increase from emp;
+-----+-----+-----+-----+-----+
| empno | lastname | salary | New Salary | Increase |
+-----+-----+-----+-----+-----+
| 1     | Vijay    | 1000000 | 1155000    | 155000   |
| 2     | Hardik   | 500000  | 577500     | 77500    |
| 3     | Karthik  | 700000  | 808500     | 108500   |
| 4     | Ruthprabhu | 750000 | 866250     | 116250   |
+-----+-----+-----+-----+-----+
```

4.

```
mysql> SELECT CONCAT(UPPER(LEFT(lastname, 1)), LOWER(SUBSTRING(lastname, 2))) AS "Last Name", LENGTH(lastname) AS "Last Name Length" FROM emp WHERE lastname LIKE 'J%' OR lastname LIKE 'A%' OR lastname LIKE 'M%' ORDER BY lastname;
+-----+-----+
| Last Name | Last Name Length |
+-----+-----+
| Jayam    | 5                |
+-----+-----+
```

5.

```
mysql> SET @letter = 'H'; SELECT CONCAT(UPPER(LEFT(lastname, 1)), LOWER(SUBSTRING(lastname, 2))) AS "Last Name", LENGTH(lastname) AS "Last Name Length" FROM emp WHERE lastname LIKE CONCAT(@letter, '%') ORDER BY lastname;
Query OK, 0 rows affected (0.00 sec)

+-----+-----+
| Last Name | Last Name Length |
+-----+-----+
| Hardik    | 6                |
+-----+-----+
```

6.

```
mysql> SELECT lastname, CEILING(DATEDIFF(NOW(), hired_date) / 30) AS MONTHS_WORKED FROM emp ORDER BY MONTHS_WORKED;
+-----+-----+
| lastname | MONTHS_WORKED |
+-----+-----+
| Karthik  | 174           |
| Jayam    | 183           |
| Hardik   | 225           |
| Vijay    | 287           |
+-----+-----+
```

7.

```
mysql> SELECT lastname, CONCAT('earns ', salary, ' monthly but wants ', salary * 3) AS "Dream Salaries" FROM emp;
```

lastname	Dream Salaries
Vijay	earns 1000000 monthly but wants 3000000
Hardik	earns 500000 monthly but wants 1500000
Karthik	earns 700000 monthly but wants 2100000
Jayam	earns 750000 monthly but wants 2250000

8.

```
mysql> select lastname, LPAD(salary, 15, '$') as Salary from emp;
```

lastname	Salary
Vijay	\$\$\$\$\$\$\$\$1000000
Hardik	\$\$\$\$\$\$\$\$500000
Karthik	\$\$\$\$\$\$\$\$700000
Jayam	\$\$\$\$\$\$\$\$750000

9.

```
mysql> SELECT
-> lastname,
-> DATE_FORMAT(hired_date, '%W, the %D of %M, %Y') AS "Hire Date",
-> DATE_FORMAT(
-> DATE_ADD(hired_date, INTERVAL 6 MONTH) +
-> INTERVAL (8 - DAYOFWEEK(DATE_ADD(hired_date, INTERVAL 6 MONTH))) DAY,
-> '%W, the %D of %M, %Y'
-> ) AS "REVIEW"
-> FROM
-> emp;
```

lastname	Hire Date	REVIEW
Vijay	Thursday, the 26th of October, 2000	Sunday, the 29th of April, 2001
Hardik	Wednesday, the 7th of December, 2005	Sunday, the 11th of June, 2006
Karthik	Wednesday, the 17th of February, 2010	Sunday, the 22nd of August, 2010
Jayam	Friday, the 22nd of May, 2009	Sunday, the 29th of November, 2009

10.

```
mysql> SELECT
-> lastname,
-> hired_date,
-> DAYNAME(hired_date) AS "DAY"
-> FROM
-> emp
-> ORDER BY
-> FIELD(DAYNAME(hired_date), 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday');
```

lastname	hired_date	DAY
Hardik	2005-12-07	Wednesday
Karthik	2010-02-17	Wednesday
Vijay	2000-10-26	Thursday
Jayam	2009-05-22	Friday