Swap Salary

Question:

SALARY	
Column	**Type**
int	int
name	varchar
sex	ENUM
salary	int

id is the primary key for this table.

The sex column is ENUM value of type ('m', 'f').

The table contains information about an employee.

Write an SQL query to swap all 'f' and 'm' values (i.e., change all 'f' values to 'm' and vice versa) with a single update statement and no intermediate temporary tables.

Note that you must write a single update statement, do not write any select statement for this problem.

Query 1

This was a clear if-else question.
To implement IF-ELSE in **SQL**, we use CASE WHEN.
We have 2 conditions for our IF case. When the **sex** is **m** OR when the **sex** is **f**.

```
UPDATE Salary

SET sex = CASE

            WHEN sex='f' THEN 'm'

            WHEN sex='m' THEN 'f'

            ELSE sex

        END

WHERE sex IN ('f','m')
```

The where statement was needed since for null values, the query returned incorrect result.
Luckily, my first query turned out to be the best query.
But we can optimize it to just have 1 CASE WHEN.

Query 2

```
UPDATE Salary

UPDATE Salary

SET sex = CASE

            WHEN sex='f' THEN 'm'

            ELSE 'f'

        END

WHERE sex IN ('f','m')
```