S06-L02 Row number

See salary of an employee with employee ID = 10004.

http://www.postgresql.org/docs/9.4/static/functions-window.html

```
SET @row number = 0;
SET @dummy salary amount = 0;
SET @dummy employee id = 0;
SELECT
        `id`,
        `employee id`,
        `salary amount`,
        `from date`,
        `to date`,
        IF(`salary amount` < @dummy salary amount AND @dummy salary amount !=</pre>
0, 'lower than last', 'higher') AS comparison,
        @row number := IF(`employee id` != @dummy employee id, 1, @row number
+ 1) AS '@row number',
        @dummy_salary_amount := `salary_amount` AS '@dummy_salary_amount',
        @dummy employee id := `employee id` AS '@dummy employee id'
FROM (
        SELECT
                `id`,
                `employee_id`,
                `salary amount`,
                `from date`,
                `to date`
        FROM `salary`
        WHERE `salary`.`employee id` = 10004
        ORDER BY `salary`.`from_date` ASC
) xTMP
```

Now identify average months when the salary decreases (for this particular employee).

```
SET @row number = 0;
SET @dummy salary amount = 0;
SET @dummy employee id = 0;
SELECT
        employee id,
        ROUND(AVG(`@row number`), 1) AS average month when salary decreases
FROM (
        SELECT
                `id`,
                `employee id`,
                `salary amount`,
                `from date`,
                `to date`,
                IF(`salary amount` < @dummy salary amount AND</pre>
@dummy_salary_amount != 0, 'lower than last', 'higher') AS comparison,
                @row number := IF(`employee id` != @dummy employee id, 1,
@row number + 1) AS '@row number',
                @dummy salary amount := `salary amount` AS
'@dummy_salary_amount',
                @dummy employee id := `employee id` AS '@dummy employee id'
        FROM (
                SELECT
                        `id`,
                        `employee_id`,
                        `salary_amount`,
                        `from date`,
                        `to date`
                FROM `salary`
                WHERE `salary`.`employee id` = 10004
                ORDER BY `salary`.`from date` ASC
        ) xTMP
) xTMP2
WHERE 1=1
        AND comparison = 'lower than last'
GROUP BY
        employee id
```