

Rising Temperature

Question:

<https://leetcode.com/problems/rising-temperature/>

WEATHER	
Column	Type
id	int
recordDate	date
temperature	int

id is the primary key for this table.

This table contains information about the temperature on a certain day.

Write an SQL query to find all dates' Id with higher temperatures compared to its previous dates (yesterday).

Return the result table in any order.

Query 1(Accepted)

I haven't used **JOIN** for Self Joining because with **JOIN**, we also have to use **ON**. So I just used **Self Join** without the **JOIN** keyword as it is faster.

```
SELECT DISTINCT
```

```
    w2.id
```

```
FROM
```

```
    Weather w1,
```

```
    Weather w2
```

```
WHERE
```

```
    DATEDIFF(w1.recordDate,w2.recordDate) = -1 AND
```

```
    w1.temperature < w2.temperature
```

Query 2(Accepted)

This was the fastest query although the time difference between **Query 1** and **Query 2** was very small.

```
SELECT
```

```
    w1.id
```

```
FROM
```

```
    Weather w1,
```

```
    Weather w2
```

```
WHERE
```

```
    TO_DAYS(w1.recorddate) = TO_DAYS(w2.recorddate) +1 AND
```

```
    (w1.temperature >w2.temperature)
```

NOTE : The difference between the 2 queries is the function used to find the time difference.