

67_Investments in 2016 Medium - Solution

Source - <https://leetcode.com/problems/investments-in-2016/description/>

Running Notes:

- Write a solution to report the sum of all total investment values in 2016 `tiv_2016`, for all policyholders who:
 - have the same `tiv_2015` value as one or more other policyholders, and
 - are not located in the same city as any other policyholder (i.e., the (`lat`, `lon`) attribute pairs must be unique).
- Round `tiv_2016` to **two decimal places**.

question breakdown, because a long question feel dauntly lol

- filter the dataset based on 2 conditions
 - have the same `tiv_2015` value as one or more other policyholders

```
-- Write your PostgreSQL query statement below
SELECT *
FROM Insurance
WHERE tiv_2015 IN
    (SELECT DISTINCT(tiv_2015)
     FROM Insurance
     GROUP BY tiv_2015
     HAVING COUNT(tiv_2015)>1)
```

- ensure that lat and lon pair doesn't match any other lat and lon pair

-- Write your PostgreSQL query statement below

```
SELECT *
FROM Insurance
WHERE tiv_2015 IN
    (SELECT DISTINCT(tiv_2015)
    FROM Insurance
    GROUP BY tiv_2015
    HAVING COUNT(tiv_2015)>1)
AND
(lat, lon) NOT IN
    (SELECT DISTINCT lat,lon
    FROM Insurance
    GROUP BY (lat,lon)
    HAVING COUNT((lat,lon))>1)
```

- sum of total investment in 2016 `tiv_2016` (column name) — i will have to do in the last

-- Write your PostgreSQL query statement below

```
SELECT ROUND(SUM(tiv_2016::DECIMAL),2) AS tiv_2016
FROM Insurance
WHERE tiv_2015 IN
    (SELECT DISTINCT(tiv_2015)
    FROM Insurance
    GROUP BY tiv_2015
    HAVING COUNT(tiv_2015)>1)
AND
(lat, lon) NOT IN
    (SELECT DISTINCT lat,lon
    FROM Insurance
    GROUP BY (lat,lon)
    HAVING COUNT((lat,lon))>1)
```

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