

# Day 5

## **Problem Statement:**

Write a query to print the sum of total investment values in 2016 (TIV\_2016), to a scale of 2 decimal places, for the policy holders who meet the following criteria:

1. Have the same TIV\_2015 value as one or more other policyholders.
2. Are not located in the same city as any other policyholder (i.e.: the (latitude, longitude) attribute pairs must be unique).

Input Format: The insurance table is described as follows:

## **Solution Code:**

```
/*Using Ivy sql internship database*/
```

```
use ivy_sql_internship;
```

```
/*Creating table insurance*/
```

```
create table insurance
```

```
(PID integer(11), TIV_2015 NUMERIC(15,2), TIV_2016 NUMERIC(15,2), LAT NUMERIC(5,2), LON NUMERIC(5,2));
```

```
/*inserting values in the table*/
```

```
insert into insurance(PID,TIV_2015,TIV_2016,LAT,LON)
```

```
values
```

```
('1', '10', '5', '10', '10'),
```

```
('2', '20', '20', '20', '20'),
```

```
('3', '10', '30', '20', '20'),
```

```
('4', '10', '40', '40', '40');
```

```
/*Write a query to print the sum of total investment values in 2016 (TIV_2016), to a scale of 2 decimal places, for the policy holders who meet the following criteria:
```

1. Have the same TIV\_2015 value as one or more other policyholders.
2. Are not located in the same city as any other policyholder (i.e.: the (latitude, longitude) attribute pairs must be unique).

```
Input Format: The insurance table is described as follows:*/
```

```
select sum(TIV_2016) AS TIV_2016
```

```
from insurance
```

```
where TIV_2015 in (select TIV_2015 from insurance group by TIV_2015 having count(*) > 1)
```

```
and
```

```
Concat(lat,lon) in (select Concat(lat,lon) from insurance group by Concat(lat,lon) having count(*) = 1)
```

Screenshot of the Code:

MySQL Workbench

IVY Practice x

File Edit View Query Database Server Tools Scripting Help

Limit to 50000 rows

Filter objects

ivy\_sql\_internship

Tables

country\_details

customer

insurance

orders

sequence

zomato

Views

Stored Procedures

Functions

Administration Schemas

Information

Table: insurance

Columns:

PID

TIV\_2015

TIV\_2016

LAT

LON

int

decimal(15,2)

decimal(15,2)

decimal(5,2)

decimal(5,2)

Day\_6\_IVY\_Internship\_Rounak P...

8 values

9 ('1', '10', '5', '10', '10'),

10 ('2', '20', '20', '20', '20'),

11 ('3', '10', '30', '20', '20'),

12 ('4', '10', '40', '40', '40')

13 ;

14 /\*Write a query to print the sum of total investment values in 2016 (TIV\_2016), to a scale of 2 decimal places,

15 for the policy holders who meet the following criteria:

16 1.Have the same TIV\_2015 value as one or more other policyholders.

17 2. Are not located in the same city as any other policyholder (i.e.: the (latitude, longitude) attribute pairs must be unique).

18 Input Format: The insurance table is described as follows:\*/

19 • select \* from insurance;

20 • select sum(TIV\_2016) AS TIV\_2016

21 from insurance

22 where TIV\_2015 in (select TIV\_2015 from insurance group by TIV\_2015 having count(\*) > 1)

23 and

24 Concat(lat,lon) in (select Concat(lat,lon) from insurance group by Concat(lat,lon) having count(\*) = 1)

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

TIV\_2016

45.00

Result 7 x

Read Only

Output