

```
physician_id
156-28-1945
571-13-9020
```

data-1050

Results 2Results 3Results 4Results 5Results 8Results 9Results

sql-project > queries.sql

```
1  USE hospital;
2  -- 1.
3  -- Find the physicians (ssn) who have most prescribed drugs which can
4  -- (due to possible adverse interaction with a previously prescribed
5  WITH alert_rankings AS (
6      SELECT physician_id, DENSE_RANK() OVER(
7          ORDER BY COUNT(*) DESC
8      ) as alert_rank
9      FROM alerts
10     GROUP BY physician_id
11 )
12
13 SELECT physician_id
14 FROM alert_rankings
15 WHERE alert_rank = 1;
16
17 -- 2.
18 -- Find the physicians (ssn) who have prescribed two drugs to the same
19
20 SELECT DISTINCT p1.physician_id
21 FROM prescriptions as p1,
22      prescriptions as p2
23 WHERE p1.physician_id = p2.physician_id
24 AND p1.drug_name != p2.drug_name
25 AND p1.patient_id = p2.patient_id
26 AND p2.drug_name IN (
27     SELECT drug_name_2
28     FROM adverse_interactions
29     WHERE drug_name = p1.drug_name
30 );
31
32 -- 3.
33 -- Find the physicians who have prescribed most drugs supplied by con
34 WITH drugxo_fills AS (
35     SELECT physician_id, COUNT(*) as cnt
36     FROM pharmacy_fills as pf, contracts as con,
37          companies as comp, prescriptions as p
38     WHERE con.company_id = comp.id
39     AND pf.pharmacy_id = con.pharmacy_id
40     AND comp.name LIKE "%DRUGXO%"
41     AND pf.prescription_id = p.id
42     GROUP BY p.physician_id
43 )
44
45 SELECT physician_id, DENSE_RANK() OVER (
```

physician_id
156-28-1945
571-13-9020
614-57-6885

main\* 0 0 localhost hospital

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data-1050

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40     AND comp.name LIKE "%DRUGXO%"
41     AND pf.prescription_id = p.id
42     GROUP BY p.physician_id
43 )
44
45 SELECT physician_id, DENSE_RANK() OVER (
```

physician_id	drugxo_rank
118-66-5958	1
614-57-6885	2
156-28-1945	2

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42     GROUP BY p.physician_id
43 )
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45 SELECT physician_id, DENSE_RANK() OVER (
```

drug_name	price_per_unit	avg_price_per_unit
Glucosepam Amcipientin	1.8125	1.25625
Glucosepam Amcipientin	0.7	1.25625

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sql-project > 📄 queries.sql

1 USE hospital;

2 -- 1.

3 -- Find the physicians (ssn) who have most prescribed drugs which can

4 -- (due to possible adverse interaction with a previously prescribed

5 WITH alert\_rankings AS (

6 SELECT physician\_id, DENSE\_RANK() OVER(

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27 SELECT drug\_name\_2

28 FROM adverse\_interactions

29 WHERE drug\_name = p1.drug\_name

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32 -- 3.

33 -- Find the physicians who have prescribed most drugs supplied by con

34 WITH drugxo\_fills AS (

35 SELECT physician\_id, COUNT(\*) as cnt

36 FROM pharmacy\_fills as pf, contracts as con,

37 companies as comp, prescriptions as p

38 WHERE con.company\_id = comp.id

39 AND pf.pharmacy\_id = con.pharmacy\_id

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41 AND pf.prescription\_id = p.id

42 GROUP BY p.physician\_id

43 )

44

45 SELECT physician\_id, DENSE\_RANK() OVER (

Results 2

Results 3

Results 4

Results 5

Results 8 ✕

Results 9

Results

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pharmacy_id	drug_name	markup
4	Kanulin	9.1785714286

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Go Live

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26 AND p2.drug_name IN (
27     SELECT drug_name_2
28     FROM adverse_interactions
29     WHERE drug_name = p1.drug_name
30 );
31
32 -- 3.
33 -- Find the physicians who have prescribed most drugs supplied by companies
34 WITH drugxo_fills AS (
35     SELECT physician_id, COUNT(*) as cnt
36     FROM pharmacy_fills as pf, contracts as con,
37          companies as comp, prescriptions as p
38     WHERE con.company_id = comp.id
39     AND pf.pharmacy_id = con.pharmacy_id
40     AND comp.name LIKE "%DRUGXO%"
41     AND pf.prescription_id = p.id
42     GROUP BY p.physician_id
43 )
44
45 SELECT physician_id, DENSE_RANK() OVER (
```

drug_name	avg_diff
Avafoxin	1.75
Cleotrana	1.3333
Primalovir	0
Glucosepam Amcipientin	1.5
Olanzanafine	2
Abnazole Toluluble	4
Dantopex Quixilinum	2
Quixiposide	2
Kanulin	0

main\*

localhost hospital

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