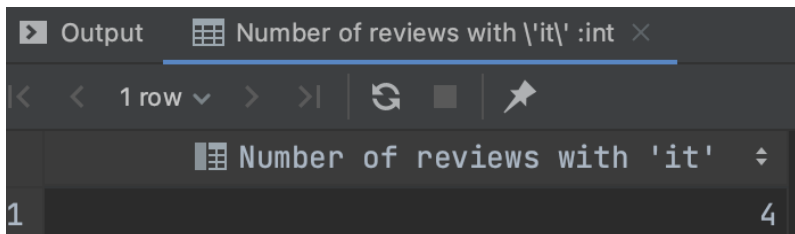# Database coursework lab assessment questions

1. Return the number of reviews which review comments contains string 'it'

SQL satatement:

```sql
SELECT COUNT(comments) AS 'Number of reviews with \'it\' '
FROM reviews
WHERE comments LIKE '%it%';
```
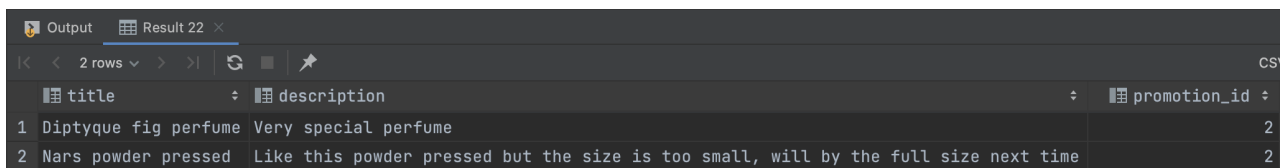
Output:

2. Return the post title and description for the post which contains the promotion which end_date is on year 2023.

SQL satatement:

```sql
SELECT title, description, promotion_id
FROM posts
JOIN promotion ON promotion_id
WHERE posts.id_promotion = promotion.promotion_id
AND promotion.end_date < '2024-01-01';
```

Output:

3. Return the review comments and post_id which are written by account name cindy.

SQL satatement:

```sql
SELECT reviews.comments, posts.post_id
FROM posts
JOIN accounts
    ON accounts.account_id = posts.id_account
JOIN reviews
    ON reviews.review_id = posts.id_review
WHERE accounts.name = 'Cindy';
```

Output:
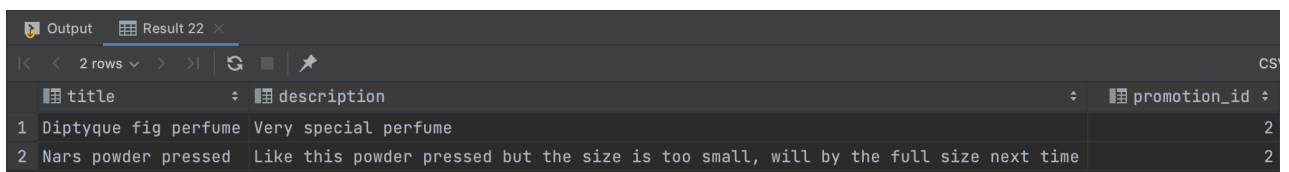
title	description	promotion_id
1 Diptyque fig perfume	Very special perfume	2
2 Nars powder pressed	Like this powder pressed but the size is too small, will by the full size next time	2