SQL 50 solving

Q4: 1148. Article Views I

Problem Type: Easy

Problem link:
https://leetcode.com/problems/article-views-i/description/?envType=study-plan-v2&envId=top-sql-50

Description:

Table: Views

```
+---------------+---------+
| Column Name   | Type    |
+---------------+---------+
| article_id    | int     |
| author_id     | int     |
| viewer_id     | int     |
| view_date     | date    |
+---------------+---------+
```

There is no primary key (column with unique values) for this table, the table may have duplicate rows.
Each row of this table indicates that some viewer viewed an article (written by some author) on some date.
Note that equal author_id and viewer_id indicate the same person.

Write a solution to find all the authors that viewed at least one of their own articles.
Return the result table sorted by id in ascending order.
The result format is in the following example.

Example 1:

Input: Views table:

```
+------------+-----------+-----------+------------+
| article_id | author_id | viewer_id | view_date  |
+------------+-----------+-----------+------------+
| 1          | 3         | 5         | 2019-08-01 |
| 1          | 3         | 6         | 2019-08-02 |
| 2          | 7         | 7         | 2019-08-01 |
| 2          | 7         | 6         | 2019-08-02 |
| 4          | 7         | 1         | 2019-07-22 |
| 3          | 4         | 4         | 2019-07-21 |
| 3          | 4         | 4         | 2019-07-21 |
+------------+-----------+-----------+------------+
```

Output:

```
+------+
| id   |
+------+
| 4    |
| 7    |
+------+
```

Approach:

- ⇨ SELECT DISTINCT value for avoid duplicacy.
- ⇨ Column name should be id that's why (author_id AS id)
- ⇨ Then Table which is Views
- ⇨ Condition should (author_id=viewer_id)
- ⇨ For sorted output should use (ORDER BY)

Solution:

```
# MySQL query statement below
select distinct author_id as id
from Views
where author_id=viewer_id
order by author_id;
```

More solutions:
https://leetcode.com/problems/article-views-i/solutions/