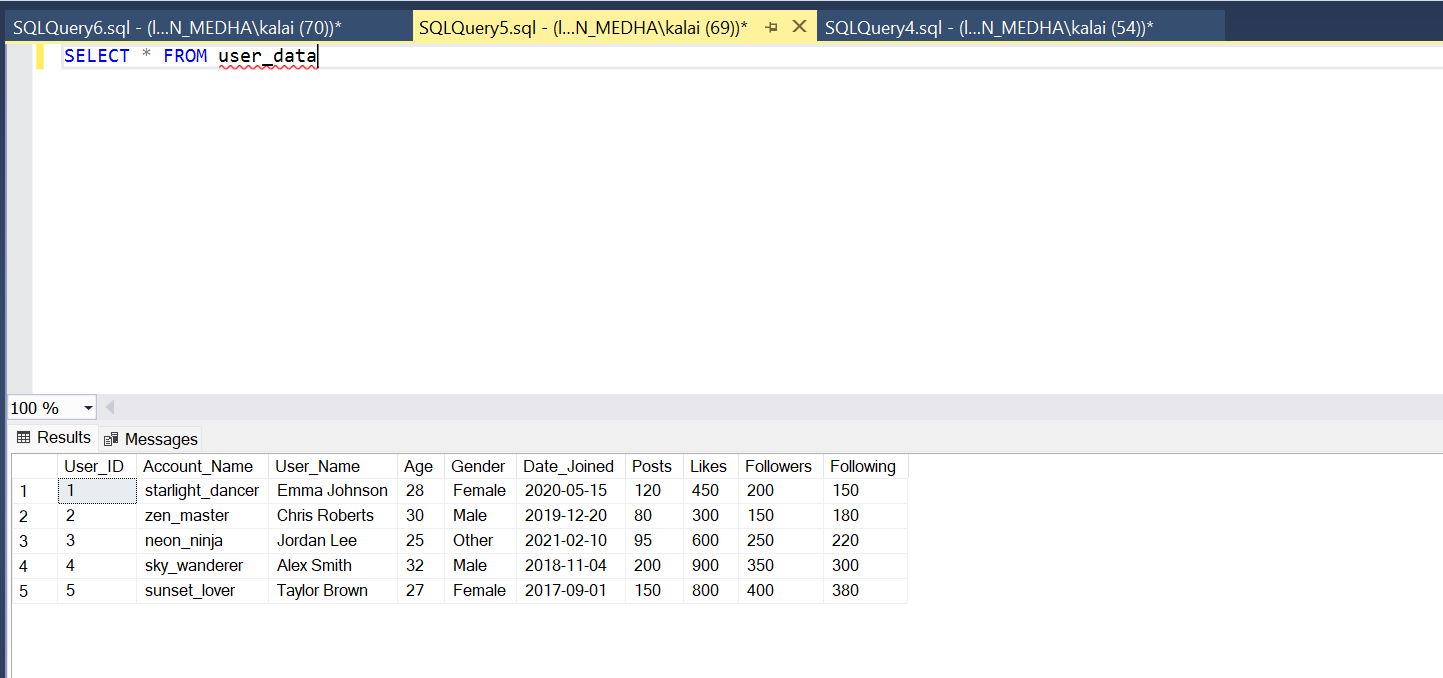
**SQL LAB - 1**

SELECT \* FROM user\_data



**SQL Tasks**

**Task 1.** Write a query to fetch all users' account names and their number of followers, sorted in descending order by the number of followers.

SELECT Account\_Name, Followers FROM user\_data ORDER BY Followers DESC

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**Task 2.** Write a query to retrieve the account names of all female users who joined before 2020.

SELECT Account\_Name FROM user\_data where Gender = 'Female' AND Date\_Joined < '2020-01-01'

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**Task 3.** Write a query to find all users who have more than 100 posts and less than 500 likes.

SELECT Account\_Name, Posts, Likes FROM user\_data where Posts > 100 AND Likes < 500

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**Task 4.** Write a query to count the number of users who joined after January 1st, 2020.

SELECT COUNT(\*) AS User\_Count FROM user\_data WHERE Date\_Joined > '2020-01-01'

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**Task 5.** Write a query to group users by gender and show the total number of likes per gender.

Select Gender, Sum(Likes) AS Total\_Likes FROM user\_data GROUP BY Gender

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**Task 6.** Write a query to find the total number of posts made by all users combined.

Select Sum(Posts) AS Total\_Posts FROM user\_data

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**Task 7.** Write a query to find the average number of likes for users with more than 200 followers.

Select AVG(Likes) AS Avg\_Likes FROM user\_data WHERE Followers > 200 GROUP BY Followers

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**Task 8.** Write a query to retrieve the account names and likes of the top 3 users with the most likes.

Select TOP 3 Account\_Name, Likes FROM user\_data ORDER BY Likes DESC

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