

```

SELECT
    CASE WHEN p.isStory = 1 THEN 'Story' ELSE 'Post' END AS type,
    p.postId,
    p.caption,
    p.[timestamp],
    u.username AS creator_username
FROM Post p
JOIN [User] u ON p.userId = u.userId
WHERE p.userId IN (
    SELECT f.userId
    FROM Follower f
    JOIN [User] u2 ON f.followerid = u2.userId
    WHERE u2.username = 'messi'
)
AND p.[timestamp] >= DATEADD(DAY, -7, GETDATE())
ORDER BY p.[timestamp] DESC;

```

133 %

Results

Messages

	type	postId	caption	timestamp	creator_username
1	Post	post7	Party post	2025-02-18 12:00:00.000	lifeoftheparty
2	Story	story1	My first story	2025-02-17 12:00:00.000	cristiano
3	Post	post5	Plant post	2025-02-17 12:00:00.000	aplasticplant
4	Post	post6	Movie quotes post	2025-02-16 12:00:00.000	movie_quotes
5	Post	post3	Serena post	2025-02-16 12:00:00.000	serenawilliams
6	Post	post4	Talkative post	2025-02-15 12:00:00.000	that_talkative_user
7	Post	412EL5357109	My first post	2025-02-15 12:00:00.000	cristiano
8	Story	story3	Serena story	2025-02-14 12:00:00.000	serenawilliams

```

SELECT DISTINCT
    CASE WHEN p.isStory = 1 THEN 'story' ELSE 'Post' END AS type,
    p.postId,
    p.caption,
    p.[timestamp],
    u.username
FROM Post p
JOIN [User] u ON p.userId = u.userId
WHERE p.postId IN (
    SELECT l.postId
    FROM [Like] l
    WHERE l.userId = (
        SELECT userId
        FROM [User]
        WHERE username = 'serenawilliams'
    )
)
OR p.postId IN (
    SELECT c.postId
    FROM Comment c
    WHERE c.userId = (
        SELECT userId
        FROM [User]
        WHERE username = 'serenawilliams'
    )
)
ORDER BY p.[timestamp] DESC;

```

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Results Messages

	type	postId	caption	timestamp	username
1	Post	post3	Serena post	2025-02-16 12:00:00.000	serenawilliams
2	Post	post4	Talkative post	2025-02-15 12:00:00.000	that_talkative_user

```

SELECT
    u.userId,
    u.username,
    u.firstName,
    u.lastName,
    u.email
FROM Follower f
JOIN [User] u ON f.followerId = u.userId
WHERE f.userId = (
    SELECT userId FROM [User] WHERE username = 'cristiano'
);

```

214 %

	userId	username	firstName	lastName	email
1	2	messi	Lionel	Messi	messi@example.com
2	3	serenawilliams	Serena	Williams	serena@example.com

```

SELECT TOP 5
    u.userId,
    u.username,
    u.firstName,
    u.lastName,
    COUNT(f.followerId) AS followers
FROM [User] u
LEFT JOIN Follower f ON u.userId = f.userId
WHERE u.profileUrl IS NULL OR u.profileUrl = ''
GROUP BY u.userId, u.username, u.firstName, u.lastName
ORDER BY followers DESC;

```

195 %

	userId	username	firstName	lastName	followers
1	10	user3	User	Three	0

```

SELECT
    m.messageId,
    m.senderId,
    m.receiverId,
    u.username AS receiver,
    m.[message],
    m.[timestamp]
FROM [Message] m
JOIN [User] sender ON m.senderId = sender.userId
JOIN [User] u ON m.receiverId = u.userId
WHERE sender.username = 'that_talkative_user'
AND m.[timestamp] BETWEEN '2022-03-12 07:22:00' AND '2022-12-04 17:04:00'
AND (
    (SELECT COUNT(*) FROM Follower f WHERE f.userId = m.receiverId) >= 10
    OR
    (SELECT COUNT(*) FROM Follower f WHERE f.followerId = m.receiverId) >= 10
)
ORDER BY m.[timestamp] ASC;

```

121 %

Results

Messages

	messageId	senderId	receiverId	receiver	message	timestamp
1	9	4	11	latadeyek	Are you home!	2022-03-12 07:38:00.000

6.

SQLQuery7.sql - P...PWARD\hmoes (63))* X Schema.sql - PL-U...PWARD\hmoes (51)) SQLQuery5.sql -

```
SELECT TOP 5 U.username, COUNT(L.likeId) + COUNT(C.commentId) AS totalEngagement
FROM [User] U
LEFT JOIN [Like] L ON U.userId = L.userId
LEFT JOIN Comment C ON U.userId = C.userId
JOIN Post P ON (L.postId = P.postId OR C.postId = P.postId)
WHERE P.userId = (SELECT userId FROM [User] WHERE username = 'aplasticplant')
GROUP BY U.username
ORDER BY totalEngagement DESC;
```

100 %

Results Messages

	username	totalEngagement
1	that_talkative_user	2
2	aplasticplant	2

7.

SQLQuery7.sql - P...PWARD\hmoes (63))* X Schema.sql - PL-U...PWARD\hmoes (51))

```
SELECT TOP 1 P.userId, U.username, COUNT(V.viewId) AS totalViews
FROM [View] V
JOIN Post P ON V.postId = P.postId
JOIN [User] U ON P.userId = U.userId
WHERE P.isStory = 1
GROUP BY P.userId, U.username
ORDER BY totalViews DESC;
```

100 %

Results Messages

userId	username	totalViews
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8.

```
WITH StoryLikes AS (  
    SELECT V.userId, COUNT(L.likeId) AS totalLikes  
    FROM [View] V  
    JOIN Post P ON V.postId = P.postId  
    LEFT JOIN [Like] L ON V.userId = L.userId AND V.postId = L.postId  
    WHERE P.userId = (SELECT userId FROM [User] WHERE username = 'movie_quotes')  
    AND P.isStory = 1  
    GROUP BY V.userId  
)  
MessageCount AS (  
    SELECT M.senderId, COUNT(M.messageId) AS totalMessages  
    FROM [Message] M  
    WHERE M.senderId = (SELECT userId FROM [User] WHERE username = 'movie_quotes')  
    GROUP BY M.senderId  
)  
SELECT TOP 1 S.userId, U.username  
FROM StoryLikes S  
JOIN [User] U ON S.userId = U.userId  
LEFT JOIN MessageCount M ON M.senderId = S.userId  
ORDER BY totalLikes DESC, totalMessages ASC
```

100 %

Results Messages

userId username

```
SELECT DISTINCT P.postId, P.caption, P.isStory, P.[timestamp]
FROM Post P
JOIN [Like] L ON P.postId = L.postId
JOIN Comment C ON P.postId = C.postId
WHERE C.userId IN (SELECT userId FROM Comment WHERE postId = '412EL5357109')
AND P.isStory = 1;
```

100 %

Results Messages

postId	caption	isStory	timestamp
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10.


```
SELECT U.username
FROM [User] U
JOIN Follower F ON U.userId = F.userId
JOIN Post P ON U.userId = P.userId
WHERE F.followerId = (SELECT userId FROM [User] WHERE username = 'lifeoftheparty')
AND P.[timestamp] > (
    SELECT MIN(M.[timestamp])
    FROM [Message] M
    WHERE M.senderId = (SELECT userId FROM [User] WHERE username = 'lifeoftheparty')
    AND M.receiverId = U.userId
);
```

100 %

Results Messages

username