

Electronic Arts

You are a Product Analyst on the EA Desktop team investigating user game library engagement patterns....

Question 1: How many users have no games installed in their library during the third quarter of 2024? Use the dim_users table and filter for users where has_game_installed is 0 and the library_last_updated date is between July and September 2024. This helps identify users that can be targeted for increased engagement.

```
SELECT COUNT(DISTINCT user_id) AS no_game_users_q3
FROM dim_users
WHERE TO_CHAR(library_last_updated, 'YYYY-MM') IN ('2024-07',
'2024-08', '2024-09')
AND has_game_installed = FALSE;
```



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Question 2: Which 5 games had the highest number of installs during the third quarter of 2024? This helps reveal the most popular games among users.

```
SELECT game_id
FROM fct_user_game_activity
WHERE TO_CHAR(install_date, 'YYYY-MM') IN ('2024-07', '2024-08', '2024-09')
GROUP BY game_id
ORDER BY COUNT(user_id) DESC
LIMIT 5;
```



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Question 3: How many users, whose libraries were last updated between July and September 2024, have 3 or more games installed in their library?

```
SELECT COUNT(DISTINCT user_id) AS active_users_q3
FROM dim_users
WHERE TO_CHAR(library_last_updated, 'YYYY-MM') IN ('2024-07',
'2024-08', '2024-09')
AND installed_games_count >= 3;
```

