-- **StackOverflow2010 Database - Assignment Questions**

-- **Topics: TOP, OFFSET/FETCH, Ranking Functions, PARTITION BY, CTE, Execution Order**

Question 01 :

- Write a query to retrieve the top 15 users with the highest reputation.
- Display their DisplayName, Reputation, and Location.
- Order the results by Reputation in descending order

Question 02 :

- Write a query to get the top 10 posts by score, but include
- all posts that have the same score as the 10th post.
- Use TOP WITH TIES. Display Title, Score, and ViewCount.

Question 03 :

- Write a query to implement pagination: skip the first 20 users
- and retrieve the next 10 users when ordered by reputation.
- Use OFFSET and FETCH. Display DisplayName and Reputation.

Question 04:

- Write a query to assign a unique row number to each post
- ordered by Score in descending order.
- Use ROW_NUMBER(). Display the row number, Title, and Score.
- Only include posts with non-null titles.

Question 05 :

- Write a query to rank users by their reputation using RANK().
- Display the rank, DisplayName, and Reputation.
- Explain what happens when two users have the same reputation.

Question 06 :

- Write a query to rank posts by score using DENSE_RANK().
- Display the dense rank, Title, and Score.
- Explain how DENSE_RANK differs from RANK.

Question 07 :

- Write a query to divide all users into 5 equal groups (quintiles)
- based on their reputation. Use NTILE(5).
- Display the quintile number, DisplayName, and Reputation.

Question 08 :

- Write a query to rank posts within each PostTypeId separately.
- Use ROW_NUMBER() with PARTITION BY.
- Display PostTypeId, rank within type, Title, and Score.
- Order by Score descending within each partition.