Peer Review

Rahul’s Approach:

1. The create_table task executes a SQL statement to create a table named 'USERS' if it doesn't already exist. The insert_into_table task inserts records into the 'USERS' table. The get_all_users task retrieves all records from the 'USERS' table.
2. Make sure that the postgres_conn_id used in the PostgresOperator tasks corresponds to the connection ID that is defined in the Airflow connections.
3. It's important to ensure that this name is unique within your Airflow environment. The start_date is set to datetime(2023, 4, 25), indicating that the DAG will start running from that specific date.
4. The code retrieves the Slack connection details using the SLACK_CONN_ID connection identifier from Airflow's Connection feature. The webhook token and channel are obtained using the BaseHook.get_connection method. Make sure that you have created a Slack connection in Airflow with the specified connection identifier (SLACK_CONN_ID) and that the connection details are accurate.

Pankaj Singh’s Approach:

1. The task dependencies (create_table_task >> insert_values_task >> select_values_task) are defined correctly, indicating that the create_table_task must complete before the insert_values_task, and the insert_values_task must complete before the select_values_task.
2. The default_args dictionary provides configuration options for the DAG. It's a good practice to explicitly define the catchup parameter to avoid unexpected backfilling of the DAG.
3. The postgres_conn_id used in the PostgresOperator tasks should correspond to the connection ID defined in the Airflow connections.
4. The DAG is created with the ID 'sigmoid_email_alert'. Ensure that this ID is unique within your Airflow environment. The start_date is set to datetime(2023, 4, 25), indicating that the DAG will start on that date.

5. The code retrieves the Slack connection details from Airflow's Connection feature using the SLACK_CONN_ID connection identifier. The webhook token and channel are obtained using BaseHook.get_connection method. Verify that you have created a Slack connection in Airflow with the specified connection identifier (SLACK_CONN_ID) and that the connection details are correct.
6. task2 and task3 are SlackWebhookOperator tasks that send Slack messages to the specified channel. task2 triggers on the success of task1 using TriggerRule.ALL_SUCCESS, while task3 triggers on the failure of task1 using TriggerRule.ALL_FAILED.