

# Assignment 2

## Task 1: Building a Pipeline with Streams and Tasks

**Objective:** Create a pipeline to transform patient admission data.

**Steps:**

1. Create a stream to track changes in the Staging\_PatientRecords table:
2. Create a task to process the stream and load data into the Final\_PatientRecords table:
3. Enable the task

**Deliverable:**

- A working pipeline that moves data from staging to the final table.
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## Task 2: Query Optimization with Clustering Keys

**Objective:** Optimize a table by adding clustering keys.

**Steps:**

1. Add clustering keys to the PatientRecords table based on AdmissionDate:
2. Query clustering information:
3. Measure query performance improvement for a date range:

**Deliverable:**

- Verify clustering statistics and improved query performance.