Task 4: Copy Selective Tables with Selective Columns from One Database to Another: Enable selective data transfer by choosing specific tables and columns to move between databases. This approach supports compliance, reduces data volume, and aligns with business-specific requirements for targeted data migration.

Steps to Implement:

1. Create Linked Services

- Go to ADF Studio > Manage > Linked Services

- Create source and destination linked services (e.g., Azure SQL, MySQL).

2. Create Parameterized Datasets

- Use SQL query in source dataset to select specific columns.

   Example: SELECT Name, Salary FROM Employees

- Use parameters in sink dataset if copying to multiple destination tables.

3. Build a Pipeline

- Use Lookup activity with list of table names and custom SQL queries.

- Use ForEach to loop through the list.

- Inside ForEach, add Copy Data activity using dynamic query and table name.

4. Publish and Trigger

- Click Publish All.

- Trigger the pipeline manually or using a schedule.

ADF Pipeline Screenshot: