**Step-by-Step Guide:**

**Step 1: Create a New Pipeline**

1. Go to **Author** > **+** > **Pipeline** > **"New Pipeline"**.
2. Name it: MetadataDrivenIngestion.

**Step 2: Add a Lookup Activity**

This reads the metadata table which contains dynamic source/destination details.

* **Activity name**: GetMetadataControl
* **Source dataset**: DS\_SqlServer
* **Use Query**:

SELECT TableName, SourceQuery, SinkPath, DQRules FROM MetadataControl

**Step 3: Add a ForEach Activity**

This loops through the metadata records (tables to be ingested).

* Drag **ForEach** onto canvas.
* **Items**:  
  @activity('GetMetadataControl').output.value
* Enable Sequential for simplicity (parallelism can be enabled later).

**Step 4: Inside ForEach – Add Data Flow Activity**

This invokes a parameterized Data Flow to perform ingestion and validation.

**You should already have a Data Flow (IngestWithDQ) with these parameters:**

* pSourceQuery – from metadata
* pSinkPath – from metadata
* pDQRules – from metadata

**Steps:**

1. Inside ForEach > Add **Data Flow activity**.
2. Name it: IngestDataFlow.
3. Select your Data Flow: IngestWithDQ.

**Add Expressions to Parameters**

* pSourceQuery:  
  @item().SourceQuery
* pSinkPath:  
  @item().SinkPath
* pDQRules:  
  @item().DQRules

**Step 5: Debug & Publish**

* Use **Debug** to run for a few rows first.
* Then click **Publish All** to deploy.