# Day5 handson Synapse

Search

+ New dedicated SQL pool    + New Apache Spark pool    + New Data Explorer pool (preview)    ↻ Refresh    ✎ Reset SQL admin password    ···

**Overview**
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
> Settings
> Analytics pools
> Security
> Monitoring
> Automation
> Help

Subscription (move)                          SQL admin username
MML Learners                                 sqladminuser
Subscription ID                              SQL Microsoft Entra admin
2a3c6418-97b9-4d96-a24b-2c2d7633d375         azuser2362_mml.local@techademy.com
Managed virtual network                      Dedicated SQL endpoint
No                                           coding-devop.sql.azuresynapse.net
Managed Identity object ID                   Serverless SQL endpoint
97473876-9420-4488-99b7-e95a404b205b         coding-devop-ondemand.sql.azuresynapse.net
Workspace web URL                            Development endpoint
https://web.azuresynapse.net?workspace=%2fsubscriptions%2f2a3c6...    https://coding-devop.dev.azuresynapse.net

Tags (edit)
Add tags

## Getting started

**Open Synapse Studio**
Start building your fully-integrated analytics solution and unlock new insights.
Open ⧉

**Read documentation**
Learn how to be productive quickly. Explore concepts, tutorials, and samples.
Learn more ⧉

Analytics pools

---

**Develop**        + ⌄ «

Filter resources by name

▲ Data flows                    1
  Dataflow1

**Dataflow1** ✕

ⓘ Other users in your workspace may have access to modify this item. Do not use this item unless you trust all users who may have access to the workspace.

✓ Validate    ⦿ Data flow debug

source1 — Import data from DelimitedText1
filter1 — Filter records having Deposit amount greater than 10000
filter2 — Filtering rows using expressions on columns 'BALANCE AMT' >1000000
sort1 — Sorting rows on columns 'DEPOSIT AMT'
sink1 — Export data to DelimitedText2

Add Source ⌄

**Parameters**    Settings

+ New

---

**source2**

Columns:
6 total

**Source settings**    Source options    Projection    Optimize    Inspect    Data preview

Source type *          [Integration dataset]    [Inline]    [Workspace DB]

Dataset *              DelimitedText1 ⌄    ⚡ Test connection    ✎ Open    + New

Options               ☑ Allow schema drift ⓘ
                      ☐ Infer drifted column types ⓘ

Source settings | Source options | **Projection** | Optimize | Inspect | Data preview

📋 Define default format   🔍 Detect data type   ⟵ Import projection   🔄 Reset schema

| Column name ↑↓ ▽ | Type | | Format |
|---|---|---|---|
| Account No | abc string | ⌄ | Specify format |
| TRANSACTION DETAILS | abc string | ⌄ | Specify format |
| VALUE DATE | abc string | ⌄ | Specify format |
| WITHDRAWAL AMT | abc string | ⌄ | Specify format |

ENG

---

⬆ Publish all ①

External Call

🗂 Dataflow1  ●

Cast

**Formatters**

:access to modify this item. Do not use this item unless you trust all users who may have access to the   ✕   ⤢  ⋯

✓ Validate   ⬤ Data flow d

Flatten

Parse

Stringify

**Row modifier**

Filter

Sort

Alter Row

Assert

| source1 | filter2 | sort1 | sink1 |
|---|---|---|---|
| Import data from DelimitedText1 | Filtering rows using expressions on columns 'BALANCE AMT' >1000000 | Sorting rows on columns ' DEPOSIT AMT ' | Export data to DelimitedText2 |

| source2 |
|---|
| Columns: 6 total |

🔍
+
⊙
−
⬚

Source settings | Source options | **Projection** | Optimize | Inspect | Data preview   ⌃

📋 Define default format   🔍 Detect data type   ⟵ Import projection   🔄 Reset schema

| Column name ↑↓ ▽ | Type | Format |
|---|---|---|

---

▽ filter3

**Expression**

{VALUE DATE} > 15-07-2024

| + | − | * | / | \|\| | && | ! | ^ | == | === | <=> | != | > | < | >= | <= | [] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**Expression elements**          **Expression values**

All                              🔍 Filter by keyword

Functions                        + Create new ⌄

Input schema                     abc Account No

Parameters                       abc TRANSACTION DETAILS

Cached lookup                    abc VALUE DATE

Data flow library functions      abc WITHDRAWAL AMT

**Data preview**                                                    ✎

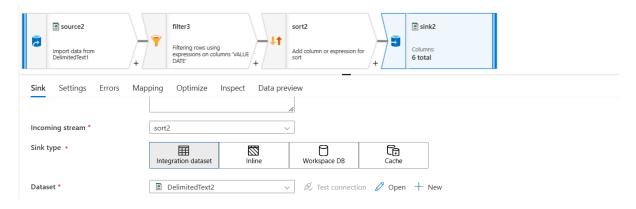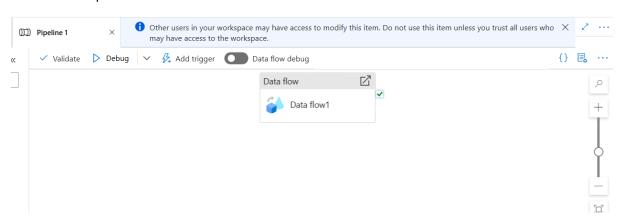[ Save and finish ]  [ Cancel ]  Clear contents

---

# Sorting

## Adding sink and verifying output



## Execute the Pipeline



## Results