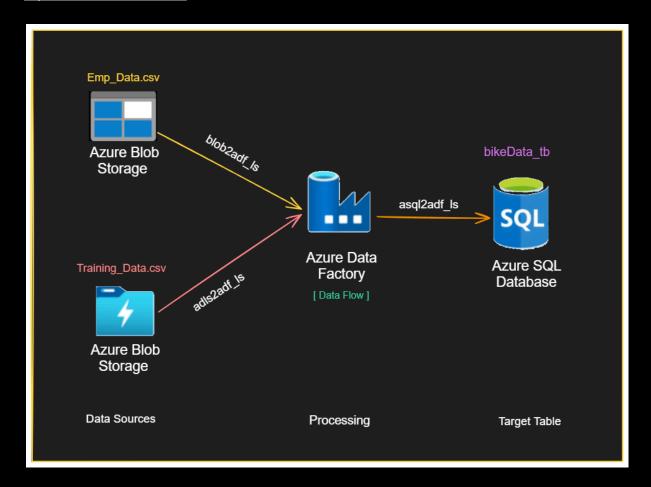
4th pipeline (blob,datalake2asql) using dataflow

<u>Pipeline Architecture</u>:



<u>Azure Services Required:</u>

- 1. Azure blob storage
- 2. Azure Data Lake Storage
- 3. Azure DataFactory
- 4. Azure SQL Database

Azure Blob Storage Creation:

- Creation of azure blob storage can be shown in the document below .
- Parameters used while creating azure blob storage.
- Storage account name : blobbsa
- https://docs.google.com/document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkw https://docs.google.com/document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkw https://docs.google.com/document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkw https://docs.google.com/document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkw https://docs.google.com/document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkw https://docs.google.com/document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkw https://document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkw https://document/d/1vZCMfM9ieAlTQm6Jdwl2JzxcMkw https://document/d
- Create a container in blobbsa (name: Emp Dataset).
- Upload emp_data in Emp Dataset

Azure Data Lake Storage creation:

- The Azure data lake storage creation is shown in the below document.
- Parameters used while creating azure data lake storage.
- Storage account name : addlsa
- https://docs.google.com/document/d/1Gyz7yN9HDF7d_i6wM_i9ph0Z0PNiKP_FLg
 PfRJshs_A/edit?usp=sharing
- Create a container in addlsa (name : trainingdataset)
- Upload Training_data in trainingdataset

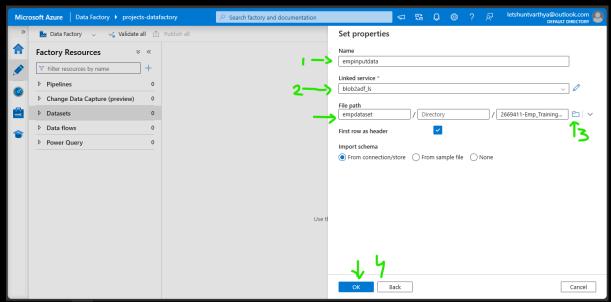
Azure SQL Database Creation:

- Creation of an azure sal database is shown in the document below.
- Parameters used while creating azure sql database.
- Database name : sqldb
- Server name: projectsserver
- Server admin login : project_admin
- https://docs.google.com/document/d/16iB1EsGKHc6-bcgTPSfqkK6BVf3n8-fpbat42uNOvXc/edit?usp=drive_link

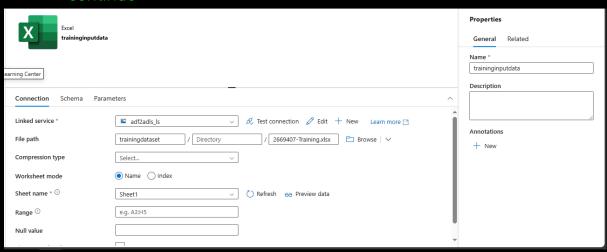
Azure Data Factory Creation:

- Creation of the data factory is shown in the document below.
- Parameters used while creating azure data factory.
- Datafactory name: projects-datafactory
- https://docs.google.com/document/d/11pvA7XumJjbIP0wPWWUlfd_gdvh6 iTn_0a12HWv0icM/edit?usp=sharing
- Click on Go to resource.
- Click on launch workspace.

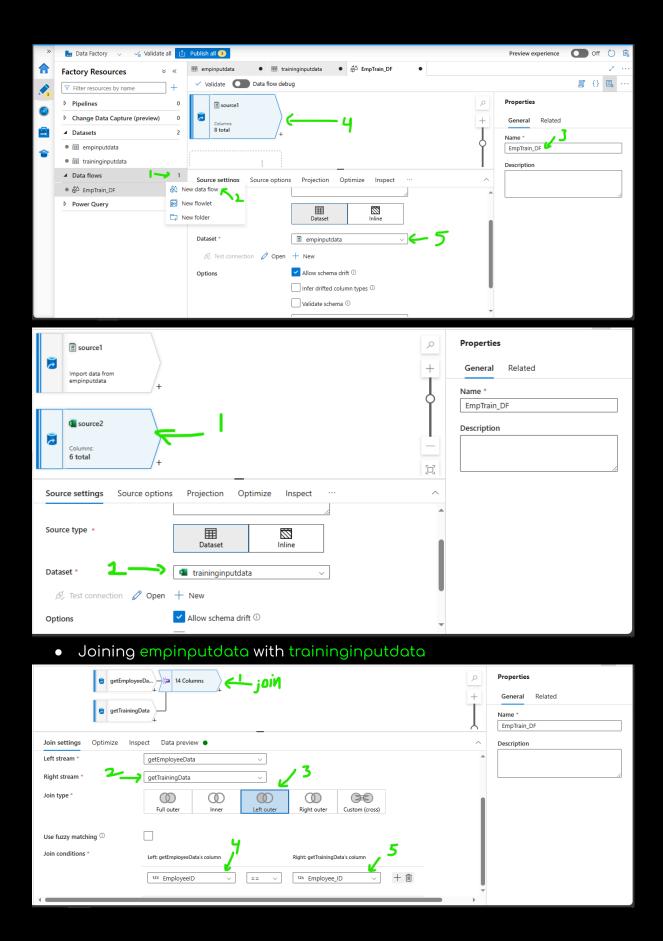
- Now let's do the transformations on data
- Open data factory and create datasets
- Pencil icon → datasets → new dataset → Azure blob Storage → csv → continue →

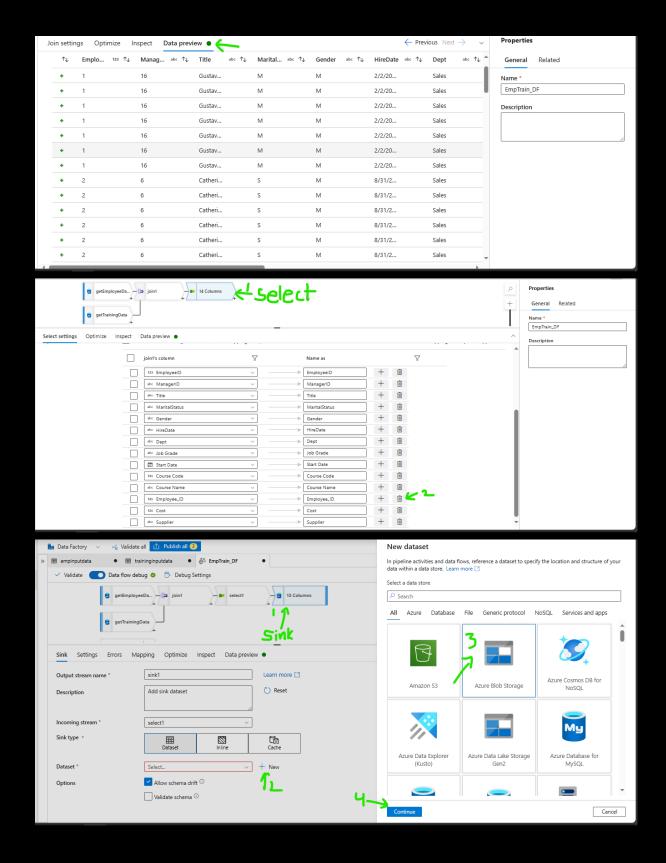


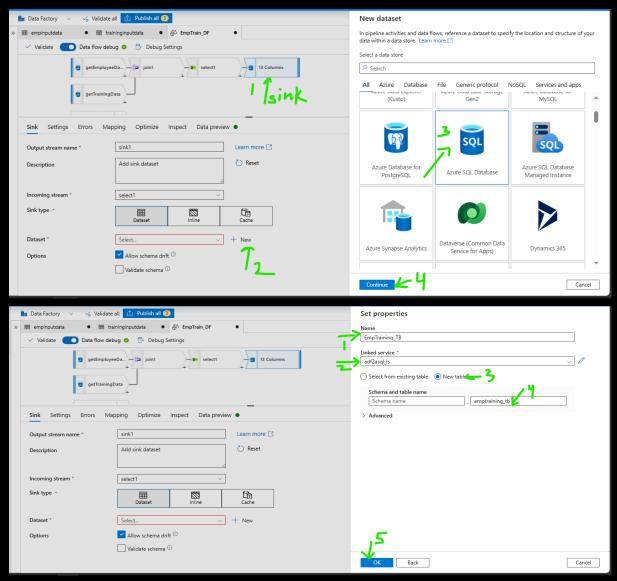
Pencil icon → datasets → new dataset → Azure data lakeStorage → excel
 → continue →



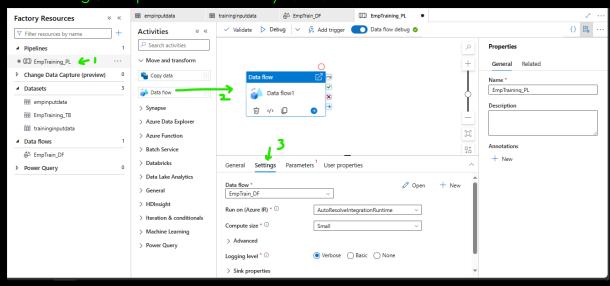
Publish all —> publish





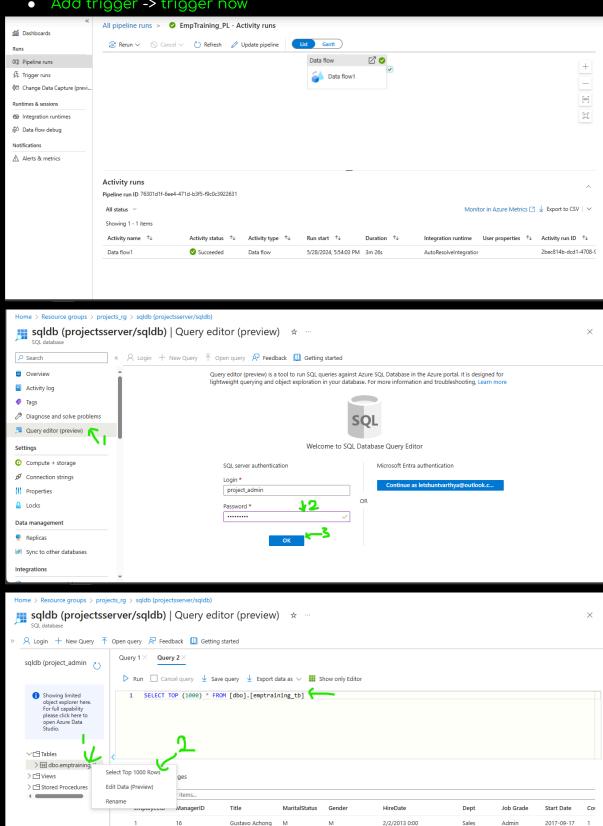


- Publish all \rightarrow publish
- Pencil icon → new pipeline →
- Pipeline name: EmpTraining_PL
- Drag & drop data flow activity to the field



- Publish all → publish
- Add trigger -> trigger now

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