Nawatech

Beyond Engineering

Program and Realisasi 2024
by Kelas

Demo: Program and Realisasi 2024 by Kelas

📌 Step 1: Create Dataflow and Get Data

1. In workspace -> "fabric-data-kai"

2. Click **New item** -> select **Dataflow Gen2** -> fill name with "program_realisasi_2024_kelas_9873" -> click **Create**

3. In ribbon **Home** -> **Get data** -> **More** -> **Lakehouse** -> **Next**

4. Select **fabric-data-kai** -> **Demo_Day_4** -> Check mark on "dashboard_ticketing_aggregate_system" and "dashboard_ticketing_aggregate_program"

📌 Step 2: Create Kategori column on Program table

1. In side bar, select "dashboard_ticketing_aggregate_program"

2. In ribbon **Add column** -> **Custom column**

3. In **New column name**, fill "Kategori"

4. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

5. Click **OK**

Demo: Program and Realisasi 2024 by Kelas

📌 Step 3: Create Kelas column

1. In ribbon **Add column** -> **Custom column**

2. In **New column name,** fill "Kelas"

3. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

4. Click **OK**

📌 Step 4: Remove columns

1. Block "period_last_arrival", "area_code_last_arrival", "area_code_arrival", "train_class", "train_local"

2. In ribbon **Home** -> select **Remove columns**

Demo: Program and Realisasi 2024 by Kelas

📌 Step 5: Group and Aggregate

1. In ribbon **Transform** -> **Group by**

2. Choose **Advance**

3. In **Group by**, select 2 column "Kategori" and "Kelas"

4. Click **Add aggregation**

5. Fill aggregation for 2 column like
   Penumpang – Sum – passenger
   Pendapatan – Sum – amount

6. Click **OK**

📌 Step 6: Duplicate "dashboard_ticketing_aggregate_program" table and fill null

1. In ribbon **Home** -> **Manage** -> select **Duplicate**

2. In **Value to find**, fill "null"

3. In **Replace with**, fill "Other"

Demo: Program and Realisasi 2024 by Kelas

📌 Step 7: Group and Aggregate by Kelas

1. In ribbon **Transform** -> **Group by**

2. Choose **Advance**

3. In **Group by**, select "Kelas"

4. Click **Add aggregation**

5. Fill aggregation for 2 column like Penumpang – Sum – Penumpang Pendapatan – Sum – Pendapatan

6. Click **OK**

📌 Step 8: Append "aggregate_program (2)" to "aggregate_program" table

1. In ribbon **Home** -> **Combine** -> **Append queries** -> select **Append queries as new**

2. **In First table**, Select "dashboard_ticketing_aggregate_program"

3. In **Second table**, Select "dashboard_ticketing_aggregate_program (2)"

4. Click **OK**

Demo: Program and Realisasi 2024 by Kelas

📌 Step 9: Fill null in Kategori column

1. In **Append** table, right-click on **Kategori** column, select **Replace values**

2. In **Value to find**, fill "null"

3. In **Replace with**, fill "Program Total 2024"

4. Click **OK**

📌 Step 10: Append "aggregate_program (2)" to "aggregate_program" table

1. In **Query settings** on right bar -> **Properties**

2. In **Name**, fill "program_2024"

Demo: Program and Realisasi 2024 by Kelas

📌 Step 11: Create Kategori column on Realisasi table

1. In side bar, select "dashboard_ticketing_aggregate_system"

2. In ribbon **Add column** -> **Custom column**

3. In **New column name**, fill "Kategori"

4. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

5. Click **OK**

📌 Step 12: Create Kelas column

1. In ribbon **Add column** -> **Custom column**

2. In **New column name**, fill "Kelas"

3. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

4. Click **OK**

Demo: Program and Realisasi 2024 by Kelas

📌 Step 13: Remove columns

1. Block "period_last_arrival", "area_code_last_arrival", "area_code_arrival", "train_class", "train_local"

2. In ribbon **Home** -> select **Remove columns**

📌 Step 14: Group and Aggregate

1. In ribbon **Transform** -> **Group by**

2. Choose **Advance**

3. In **Group by**, select 2 column "Kategori" and "Kelas"

4. Click **Add aggregation**

5. Fill aggregation for 2 column like Penumpang – Sum – passenger Pendapatan – Sum – amount

6. Click **OK**

Demo: Program and Realisasi 2024 by Kelas

📌 Step 15: Fill null on Pendapatan column

1. Right-click on **Pendapatan** column -> select **Replace values**

2. In **Value to find**, fill "null"

3. In **Replace with**, fill "0"

📌 Step 16: Duplicate "dashboard_ticketing_aggregate_system" table and fill null

In ribbon **Home** -> **Manage** -> select **Duplicate**

Demo: Program and Realisasi 2024 by Kelas

📌 Step 17: Group and Aggregate by Kelas

1. In ribbon **Transform** -> **Group by**

2. Choose **Advance**

3. In **Group by**, select "Kelas"

4. Click **Add aggregation**

5. Fill aggregation for 2 column like Penumpang – Sum – Penumpang Pendapatan – Sum – Pendapatan

6. Click **OK**

📌 Step 18: Append "aggregate_system (2)" to "aggregate_system" table

1. In ribbon **Home** -> **Combine** -> **Append queries** -> select **Append queries as new**

2. In **First table**, Select "dashboard_ticketing_aggregate_syst em"

3. In **Second table**, Select "dashboard_ticketing_aggregate_syst em (2)"

4. Click **OK**

Demo: Program and Realisasi 2024 by Kelas

📌 Step 19: Fill null in Kategori column

1. In **Append** table, right-click on **Kategori** column, select **Replace values**

2. In **Value to find**, fill "null"

3. In **Replace with**, fill "Realisasi Total 2024"

4. Click **OK**

📌 Step 20: Append "aggregate_system (2)" to "aggregate_system" table

1. In **Query settings** on right bar -> **Properties**

2. In **Name**, fill "realisasi_2024"

Demo: Program and Realisasi 2024 by Kelas

📌 Step 21: append program_2024 and realisasi_2024

1. In ribbon **Home** -> **Combine** -> **Append queries** -> **Append queries as new**

2. In **First table**, select **realisasi_2024**

3. In **Second table**, select **program_2024**

4. Click **OK**

📌 Step 22: Add Data destination

1. In **Query settings** on right bar, click "+" on **Data destination**

2. Select **Lakehouse** -> **Next** -> **fabric-data-kai** -> click "your day 4 lakehouse"

3. In **Table name**, fill "program_realisasi_2024_by_kelas"

4. Click **Next**

Program and Realisasi 2024
by Wilayah

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 1: Create Dataflow and Get Data

1. In workspace -> "fabric-data-kai"

2. Click **New item** -> select **Dataflow Gen2** -> fill name with "program_realisasi_2024_wilayah_9873" -> click **Create**

3. In ribbon **Home** -> **Get data** -> **More -> Lakehouse** -> **Next**

4. Select **fabric-data-kai** -> **Demo_Day_4** -> Check mark on "dashboard_ticketing_aggregate_system" and "dashboard_ticketing_aggregate_program"

📌 Step 2: Create Kategori column on Program table

1. In side bar, select "dashboard_ticketing_aggregate_program"

2. In ribbon **Add column** -> **Custom column**

3. In **New column name**, fill "Kategori"

4. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

5. Click **OK**

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 3: Create Wilayah column

1. In ribbon **Add column** -> **Custom column**

2. In **New column name,** fill "Wilayah"

3. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

4. Click **OK**

📌 Step 4: Remove columns

1. Block "period_last_arrival", "area_code_last_arrival", "area_code_arrival", "train_class", "train_local"

2. In ribbon **Home** -> select **Remove columns**

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 5: Group and Aggregate

1. In ribbon **Transform** -> **Group by**

2. Choose **Advance**

3. In **Group by**, select 2 column "Kategori" and "Wilayah"

4. Click **Add aggregation**

5. Fill aggregation for 2 column like Penumpang – Sum – passenger Pendapatan – Sum – amount

6. Click **OK**

📌 Step 6: Duplicate "dashboard_ticketing_aggregate_program" table and fill null

1. In ribbon **Home** -> **Manage** -> select **Duplicate**

2. In **Value to find**, fill "null"

3. In **Replace with**, fill "Other"

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 7: Group and Aggregate by Wilayah

1. In ribbon **Transform** -> **Group by**
2. Choose **Advance**
3. In **Group by**, select "Wilayah"
4. Click **Add aggregation**
5. Fill aggregation for 2 column like Penumpang – Sum – Penumpang Pendapatan – Sum – Pendapatan
6. Click **OK**

📌 Step 8: Append "aggregate_program (2)" to "aggregate_program" table

1. In ribbon **Home** -> **Combine** -> **Append queries** -> select **Append queries as new**
2. In **First table**, Select "dashboard_ticketing_aggregate_program"
3. In **Second table**, Select "dashboard_ticketing_aggregate_program (2)"
4. Click **OK**

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 9: Fill null in Kategori column

1. In **Append** table, right-click on **Kategori** column, select **Replace values**

2. In **Value to find**, fill "null"

3. In **Replace with**, fill "Program Total 2024"

4. Click **OK**

📌 Step 10: Append "aggregate_program (2)" to "aggregate_program" table

1. In **Query settings** on right bar -> **Properties**

2. In **Name**, fill "program_2024"

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 11: Create Kategori column on Realisasi table

1. In side bar, select "dashboard_ticketing_aggregate_system"

2. In ribbon **Add column** -> **Custom column**

3. In **New column name**, fill "Kategori"

4. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

5. Click **OK**

📌 Step 12: Create Wilayah column

1. In ribbon **Add column** -> **Custom column**

2. In **New column name**, fill "Wilayah"

3. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

4. Click **OK**

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 13: Remove columns

1. Block "period_last_arrival", "area_code_last_arrival", "area_code_arrival", "train_class", "train_local"

2. In ribbon **Home** -> select **Remove columns**

📌 Step 14: Group and Aggregate

1. In ribbon **Transform** -> **Group by**

2. Choose **Advance**

3. In **Group by**, select 2 column "Kategori" and "Wilayah"

4. Click **Add aggregation**

5. Fill aggregation for 2 column like Penumpang – Sum – passenger Pendapatan – Sum – amount

6. Click **OK**

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 15: Fill null on Pendapatan column

1. Right-click on **Pendapatan** column -> select **Replace values**

2. In **Value to find**, fill "null"

3. In **Replace with**, fill "0"

📌 Step 16: Duplicate "dashboard_ticketing_aggregate_system" table and fill null

In ribbon **Home** -> **Manage** -> select **Duplicate**

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 17: Group and Aggregate by Wilayah

1. In ribbon **Transform** -> **Group by**

2. Choose **Advance**

3. In **Group by**, select "Wilayah"

4. Click **Add aggregation**

5. Fill aggregation for 2 column like Penumpang – Sum – Penumpang Pendapatan – Sum – Pendapatan

6. Click **OK**

📌 Step 18: Append "aggregate_system (2)" to "aggregate_system" table

1. In ribbon **Home** -> **Combine** -> **Append queries** -> select **Append queries as new**

2. In **First table**, Select "dashboard_ticketing_aggregate_system"

3. In **Second table**, Select "dashboard_ticketing_aggregate_system (2)"

4. Click **OK**

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 19: Fill null in Kategori column

1. In **Append** table, right-click on **Kategori** column, select **Replace values**

2. In **Value to find**, fill "null"

3. In **Replace with**, fill "Realisasi Total 2024"

4. Click **OK**

📌 Step 20: Append "aggregate_system (2)" to "aggregate_system" table

1. In **Query settings** on right bar -> **Properties**

2. In **Name**, fill "realisasi_2024"

Demo: Program and Realisasi 2024 by Wilayah

📌 Step 21: append program_2024 and realisasi_2024

1. In ribbon **Home** -> **Combine** -> **Append queries** -> **Append queries as new**

2. In **First table**, select **realisasi_2024**

3. In **Second table**, select **program_2024**

4. Click **OK**

📌 Step 22: Add Data destination

1. In **Query settings** on right bar, click "+" on **Data destination**

2. Select **Lakehouse** -> **Next** -> **fabric-data-kai** -> click "your day 4 lakehouse"

3. In **Table name**, fill "program_realisasi_2024_by_wilayah"

4. Click **Next**

Realisasi Bulan 2024

Demo: Realisasi Bulan 2024

📌 Step 1: Create Dataflow and Get Data

1. In workspace -> "fabric-data-kai"

2. Click **New item** -> select **Dataflow Gen2** -> fill name with "realisasi_bulan_2024_9873" -> click **Create**

3. In ribbon **Home** -> **Get data** -> **More -> Lakehouse** -> **Next**

4. Select **fabric-data-kai** -> **Demo_Day_4** -> Select "dashboard_ticketing_aggregate_system"

📌 Step 2: Transform period_last_arrival

Right-click on "period_last_arrival" -> **Transform column** -> **Month** -> select **Name of Month**

📌 Step 3: Create Kelas column

1. In ribbon **Add column** -> **Custom column**

2. In **New column name**, fill "Kelas"

3. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

4. Click **OK**

Demo: Realisasi Bulan 2024

📌 Step 4: Create Wilayah column

1. In ribbon **Add column** -> **Custom column**

2. In **New column name,** fill "Wilayah"

3. In **Custom column formula**, fill with formula from "Demo Day 4.txt" in GitHub

4. Click **OK**

📌 Step 5: Remove columns

1. Block column "area_code_last_arrival", "area_code_arrival", "train_class", "train_local"

2. In ribbon **Home** -> **Remove columns**

📌 Step 6: Change column name

1. Right-click on "period_last_arrival" column, select **Rename**

2. Change name to "Bulan"

Demo: Realisasi Bulan 2024

📌 Step 7: Group and aggregate

1. In ribbon **Transform** -> **Group by**

2. Select **Advance**

3. In **Group by**, select 3 column "Bulan", "Kelas", and "Wilayah"

4. Click **Add aggregation**

5. Fill aggregation for 2 column like Penumpang – Sum – passenger Pendapatan – Sum – amount

6. Click **OK**

📌 Step 8: Replace values in Kelas and Wilayah column

1. Block column "Kelas" and "Wilayah"

2. In ribbon **Transform** -> select **Replace values**

3. In **Value to find**, fill "null"

4. In **Replace with**, fill "Other"

Demo: Realisasi Bulan 2024

📌 Step 9: Replace values in Penumpang and Pendapatan column

1. Block column "Penumpang" and "Pendapatan"

2. In ribbon **Transform** -> select **Replace values**

3. In **Value to find**, fill "null"

4. In **Replace with**, fill "0"

📌 Step 10: Add Data destination

1. In **Query settings** on right bar, click "+" on **Data destination**

2. Select **Lakehouse** -> **Next** -> **fabric-data-kai** -> click "your day 4 lakehouse"

3. In **Table name**, fill "realisasi_bulan_2024"

4. Click **Next**