**DW&DM**

**MS. NUSRAT SHAHEEN**

**LAB PROJECT**

22/06/2022



**Submitted By:**

***Faiq Shahzad (FA19-BCS-021)***

***Muhammad Ahmed (FA19-BCS-041)***

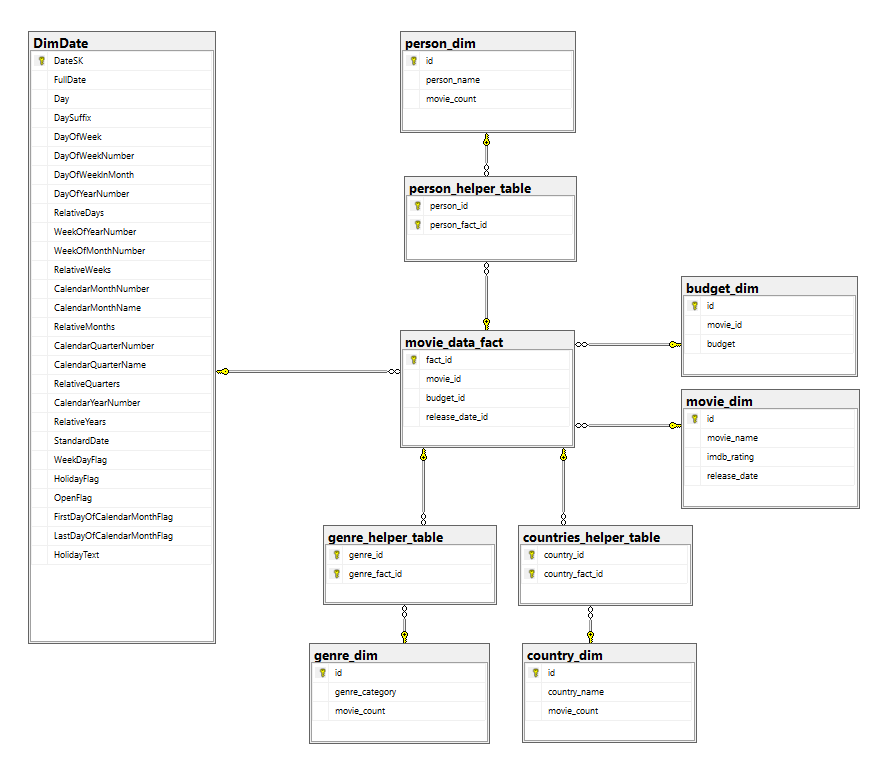
***Muhammad Mubir Shami (FA19-BCS-051)***

***BCS-6A***

**Business Questions:**

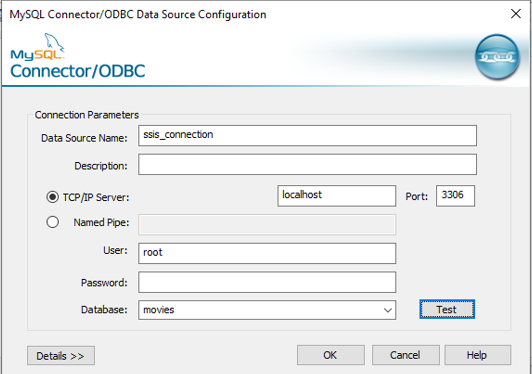
* **What are the total number of movies in the specific genre?**
* **What are the total number of Movies produced in a specific country?**
* **What are the total number of Movies a person has participated in?**
* **What is the list of movies released in a specific year?**
* **What is the list of movies under a specific budget?**

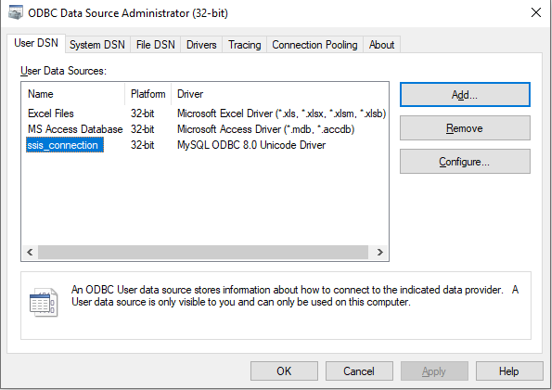
**Dimension Model:**

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**ETL:**

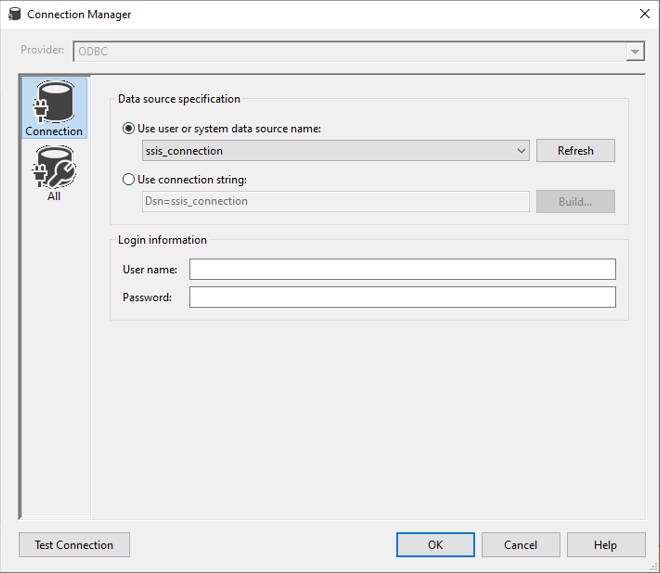
**Step 1: Creating Operational Database Connection:**

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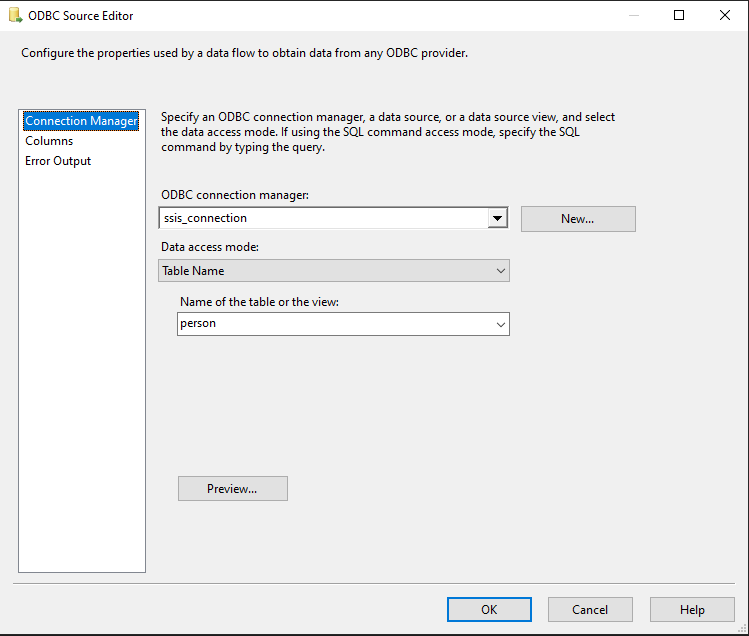
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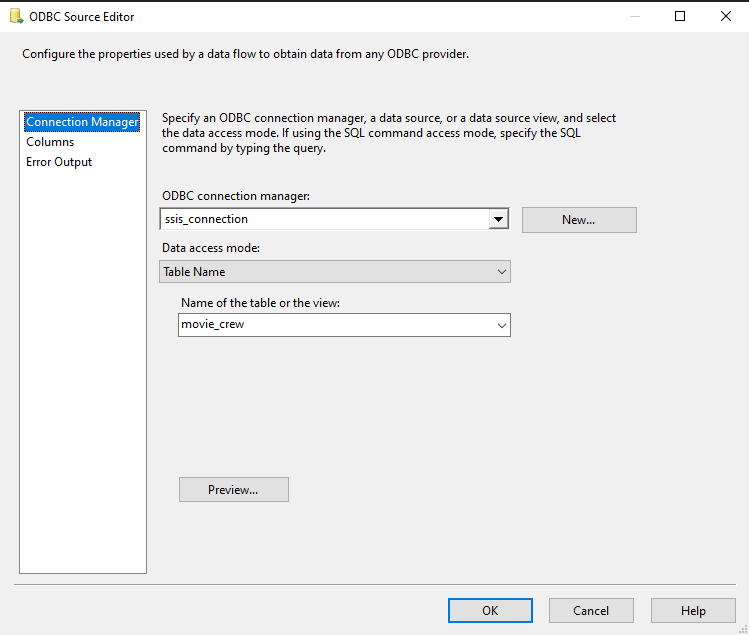
**Step 2: Extraction:**

1. Create Connections:



1. Extracting Table from Operation Database:

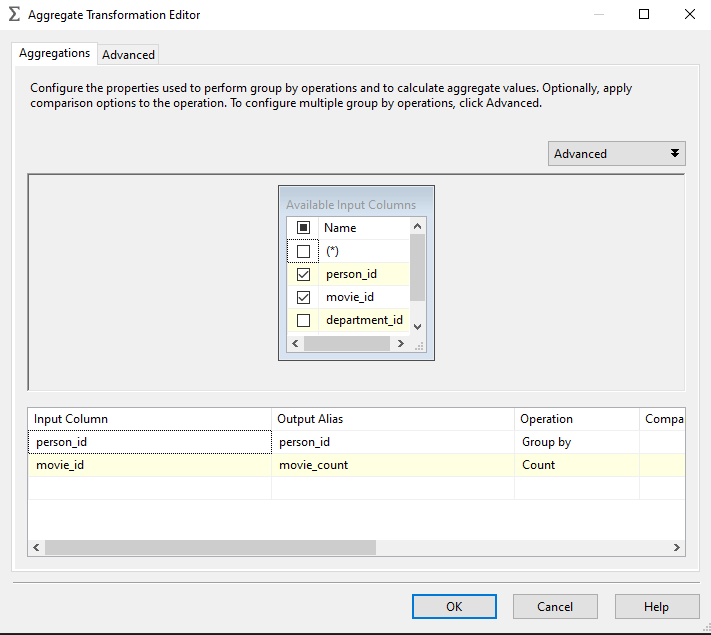




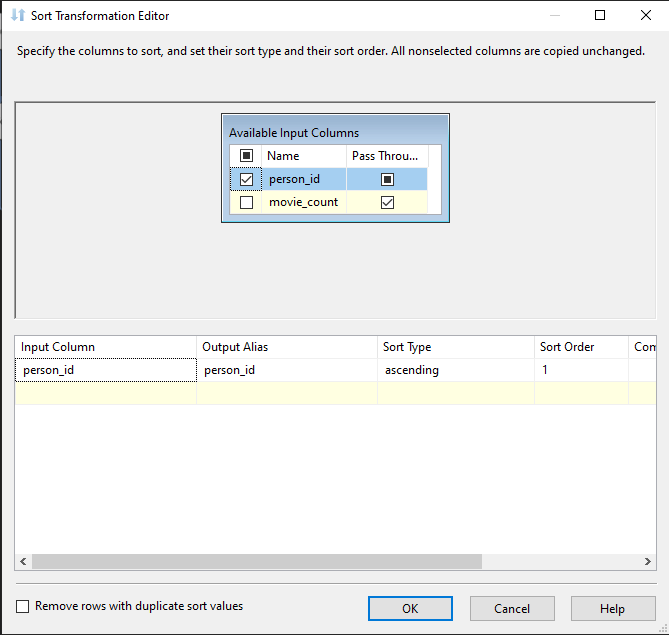
**Step 3: Transformations:**

1. Choose a Transformation to be performed on the Extracted Data such as:

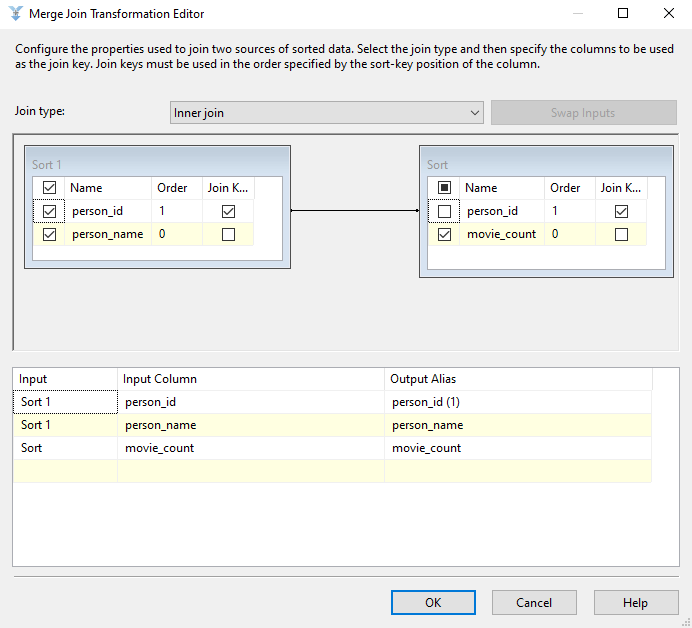
* **Aggregate (Group By)**



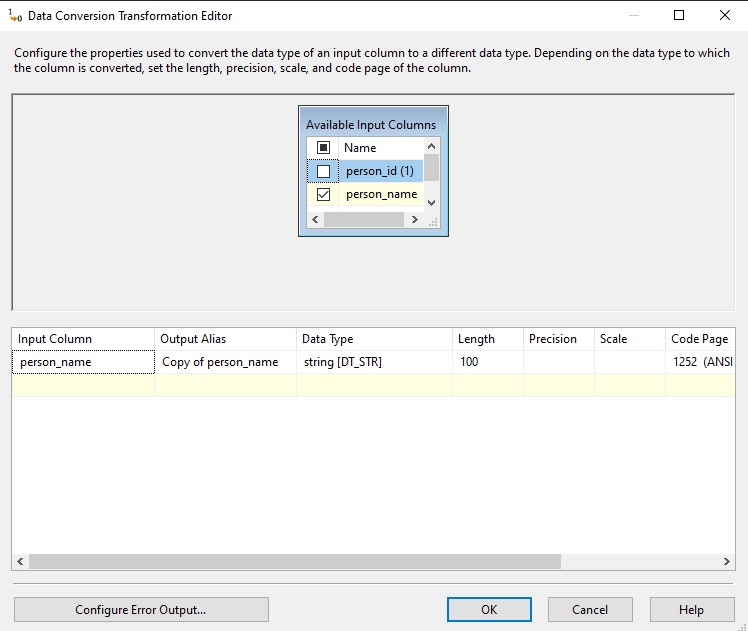
* **Sort**



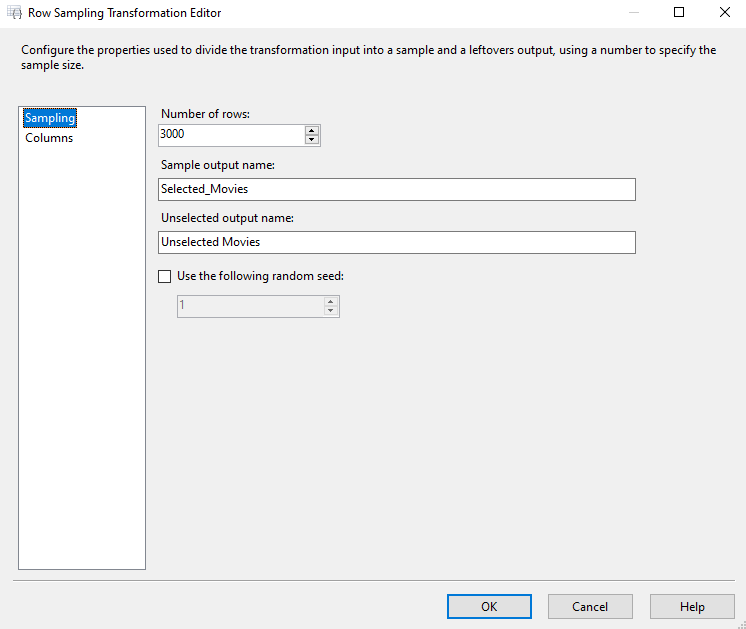
* **Merge Join**



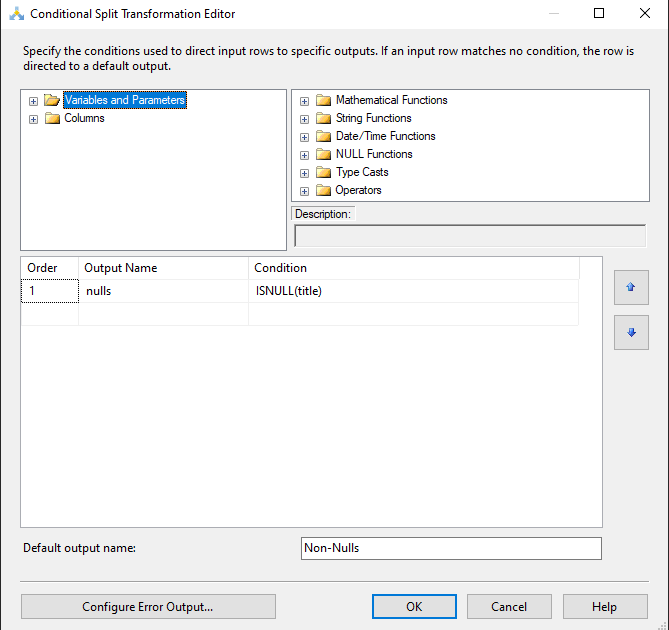
* **Data Conversion**



* **Row Sampling**

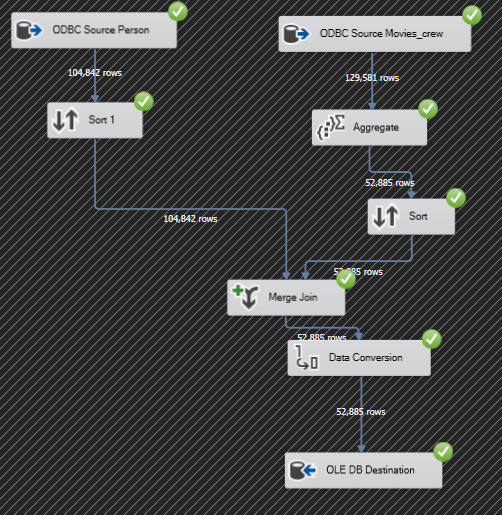
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* **Conditional Split:**

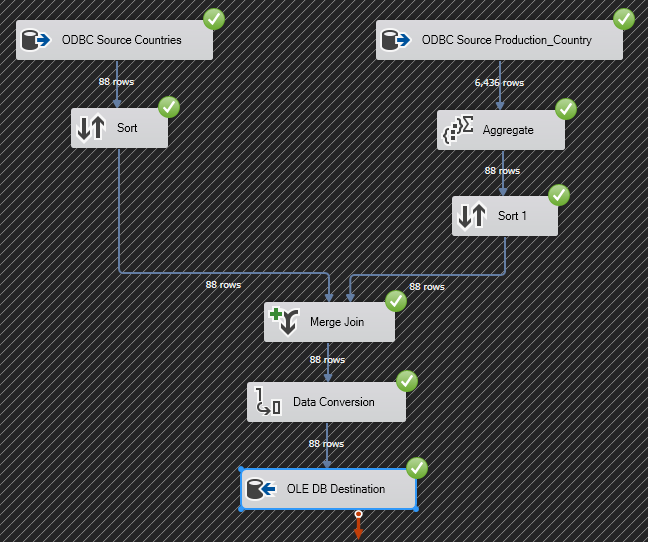
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1. Perform the Transformations:

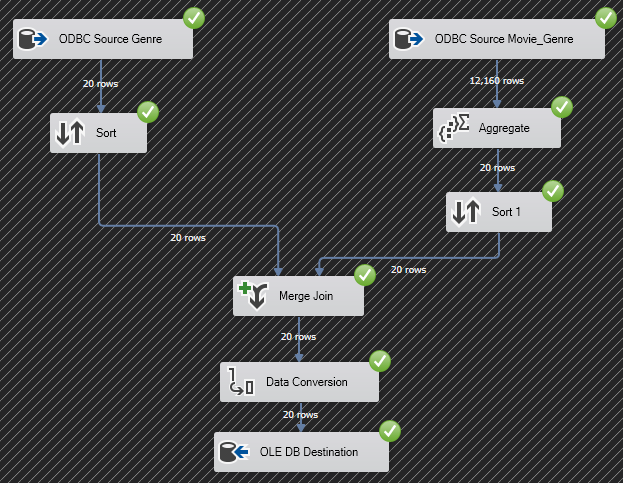
* **Person\_Dim:**



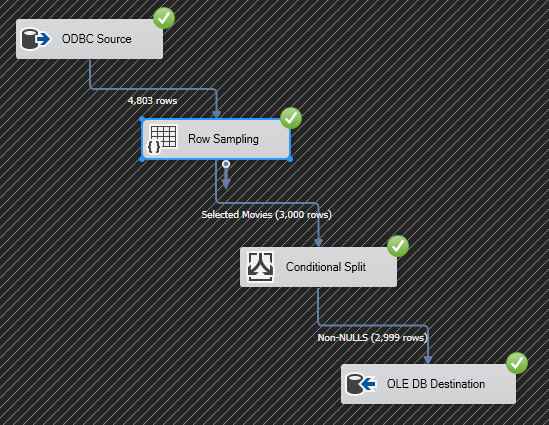
* **Countries\_dim:**

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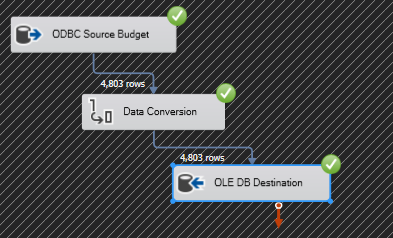
* **Genre\_dim**

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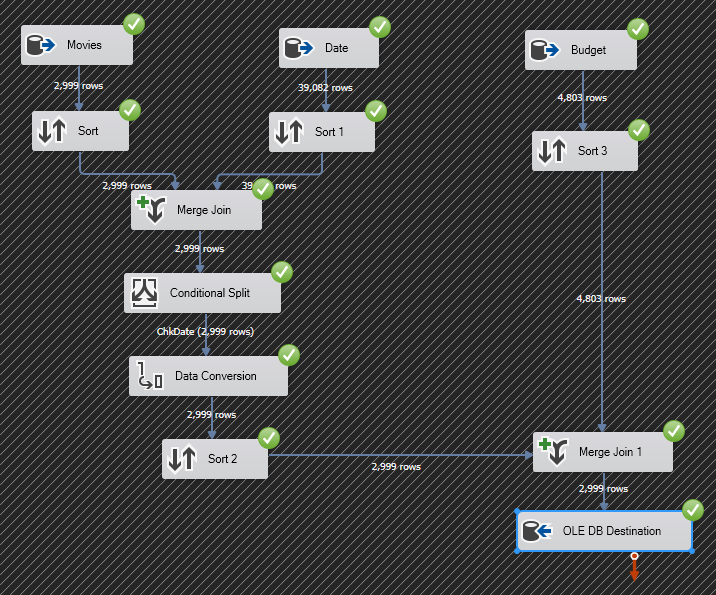
* **Movies\_dim**

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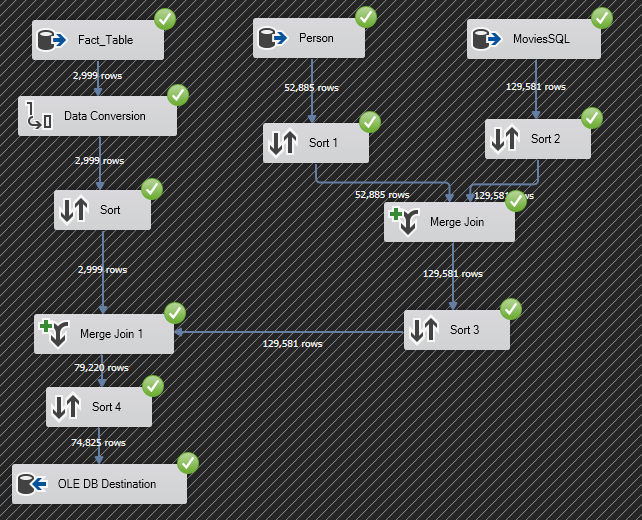
* **Budget\_dim**

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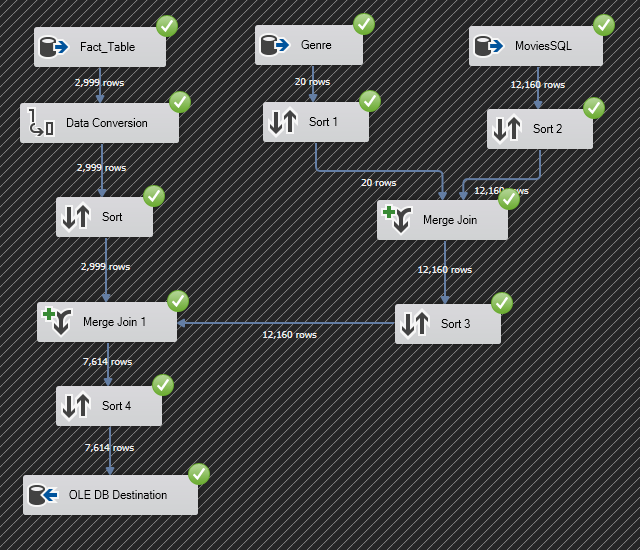
* **Movie\_Data\_Fact**

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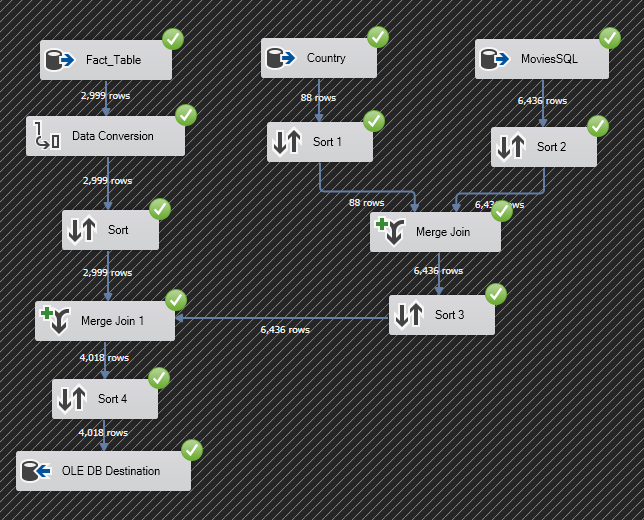
* **Person\_Helper\_Table**

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* **Genre\_Helper\_Table**

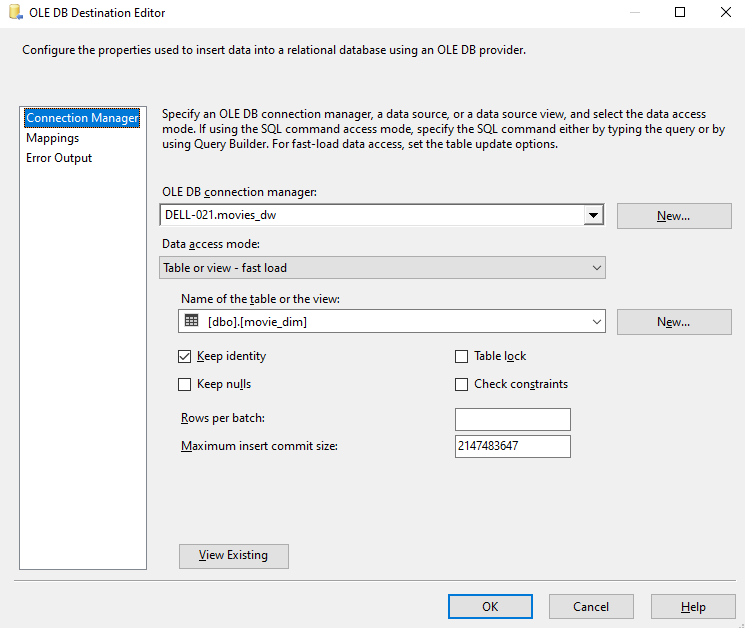
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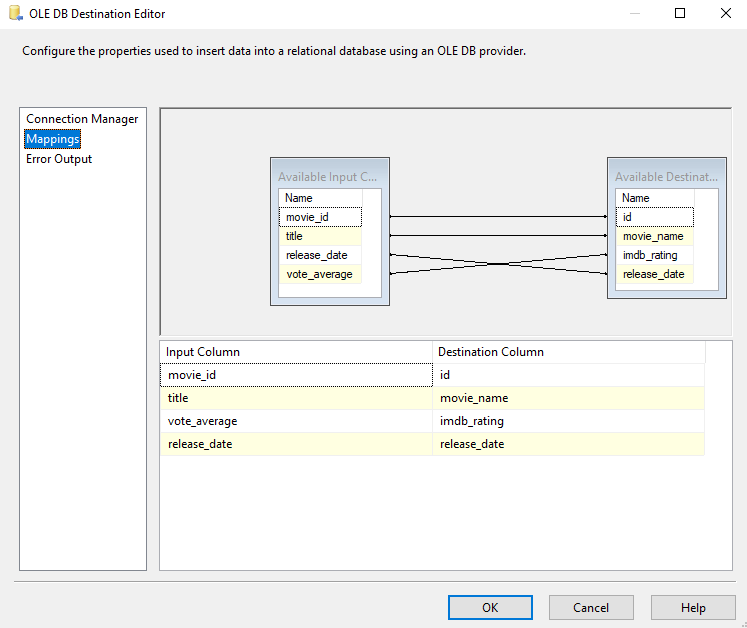
* **Country\_Helper\_Table**

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**Step 4: Loading:**

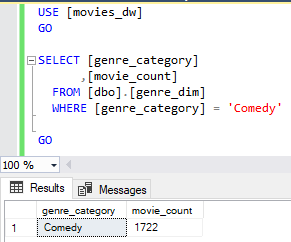
1. Select the OLE DB from the destination panel
2. Connect to the desired table in the database

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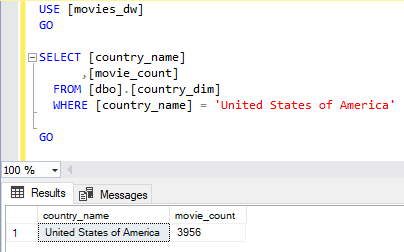
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**Business Queries:**

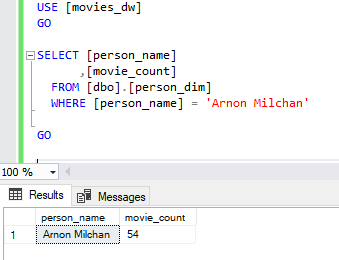
* **No of Movies in a Genre:**

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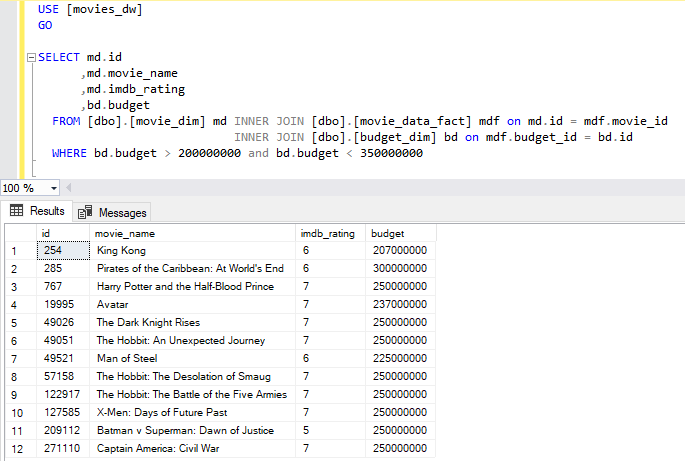
* **No of Movies Produced in a Country:**

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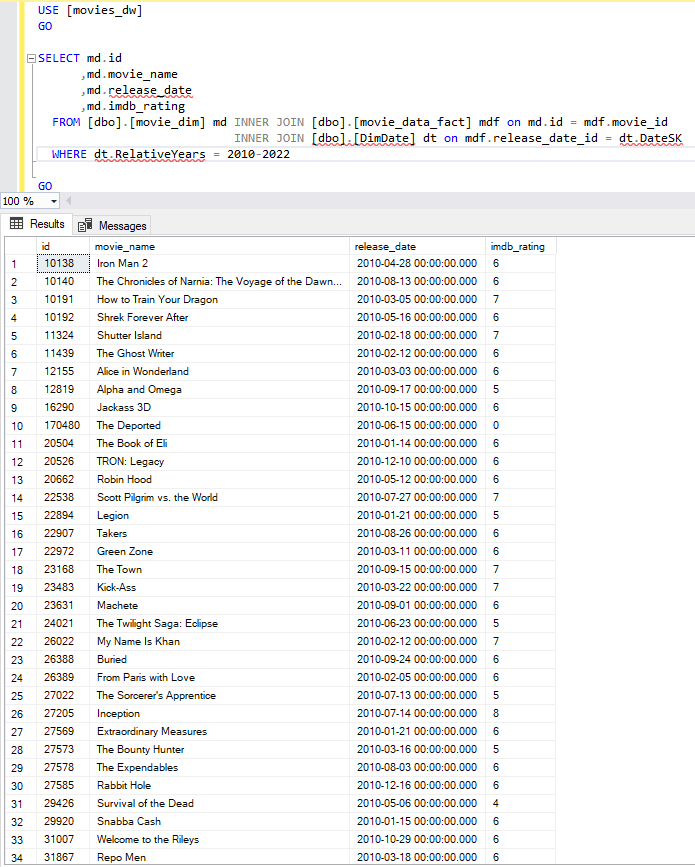
* **No of Movies respective of Cast:**

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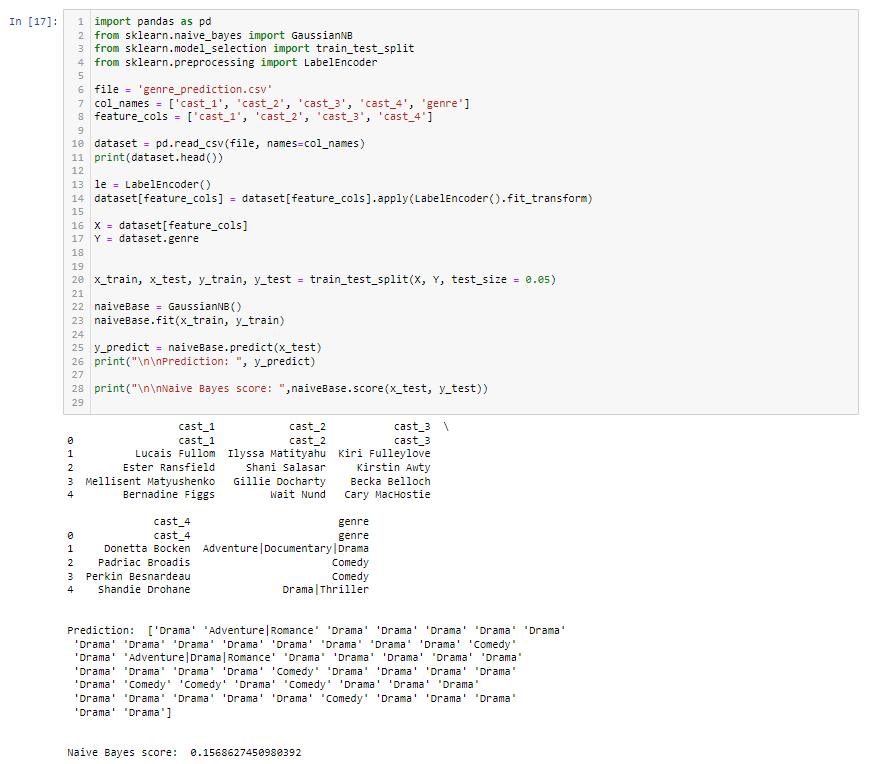
* **Movies in a Specific Range of Budget:**

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* **Movies Released in a Specific Year:**

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**NAÏVE BAYES:**

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