Data Operations:
Insert, Update and Delete

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Agenda

- Insert
- Update
- Delete
- Real World Scenarios

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Quick Revision

Select Statement

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Real World Scenarios

Demonstrations

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Scenario Setup

Beth
Sr. DBA

Troy
Jr. DBA

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Scenario Setup

Beth
Sr. DBA

Troy
Intern

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Scenario Setup

I want to be DBA Manager

Beth
Sr. DBA

Troy
Jr. DBA

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Data Operations

Insert Statement

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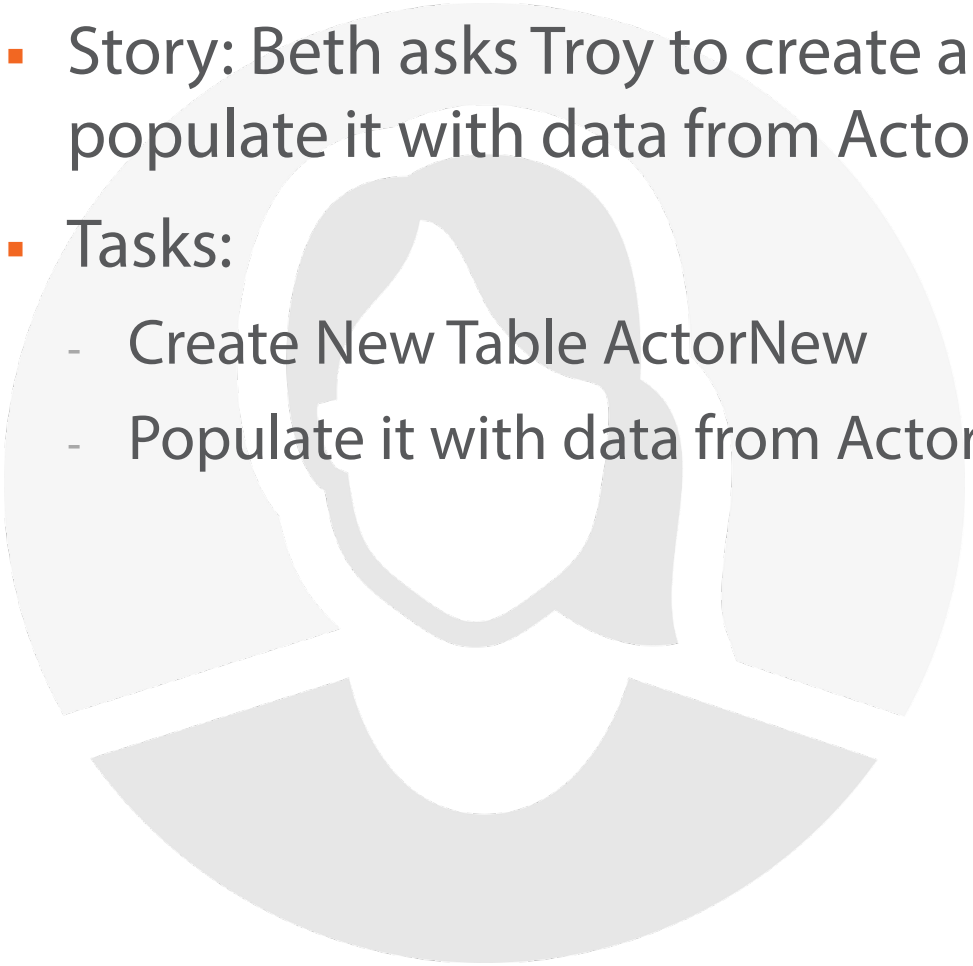
Scenario 1: Inserting Data Into Table From Another Table

- Story: Beth asks Troy to create a new table called ActorNew and ask him to populate it with data from Actor table of DVDRental database
- Tasks:
  - Create New Table ActorNew
  - Populate it with data from Actor Table



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Data Operations

Update Statement

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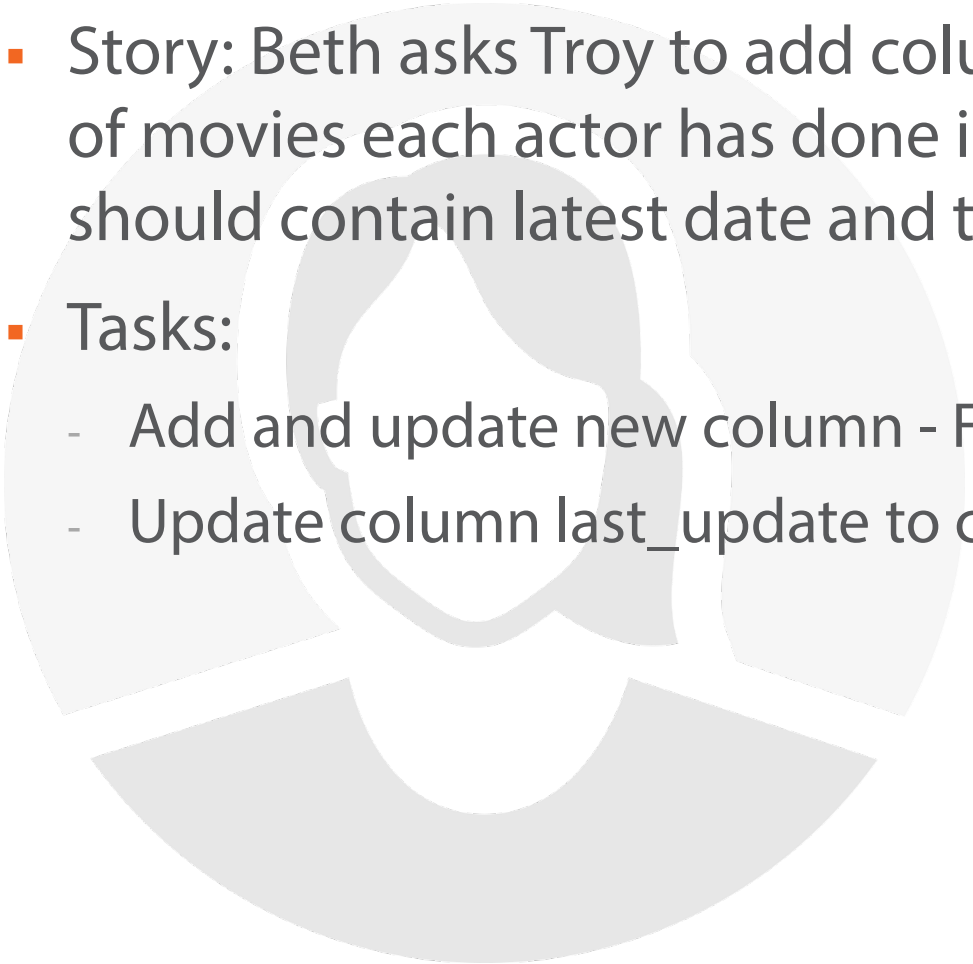
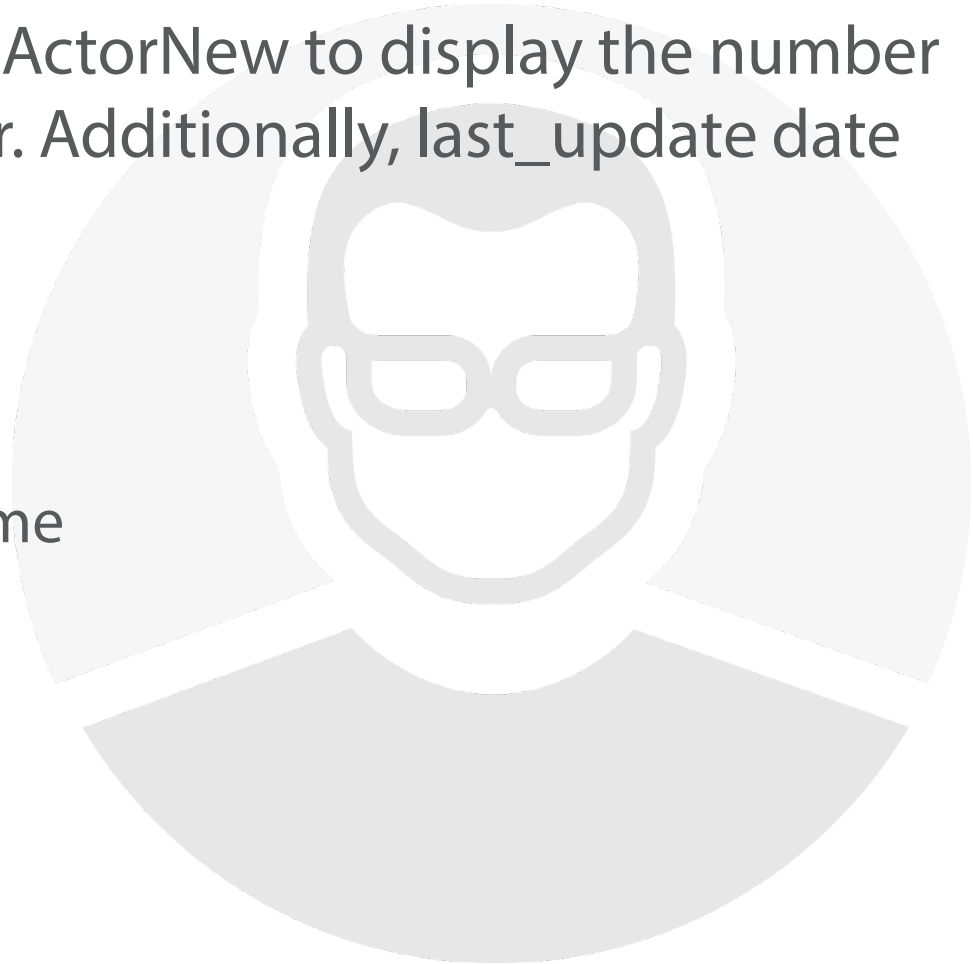
Scenario 2:
Updating Data Into Table

- Story: Beth asks Troy to add column to table ActorNew to display the number of movies each actor has done in their career. Additionally, last_update date should contain latest date and time.
- Tasks:
  - Add and update new column - FilmCount
  - Update column last_update to current datetime





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Data Operations

Delete Statement

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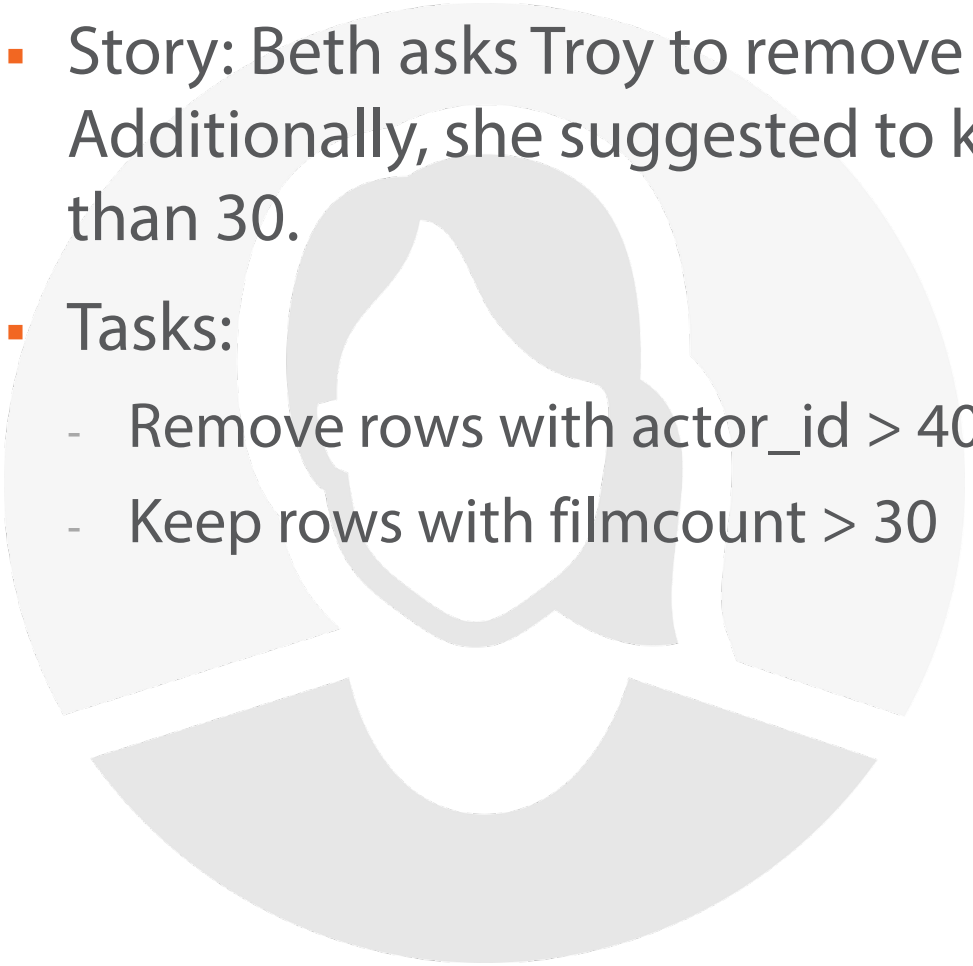
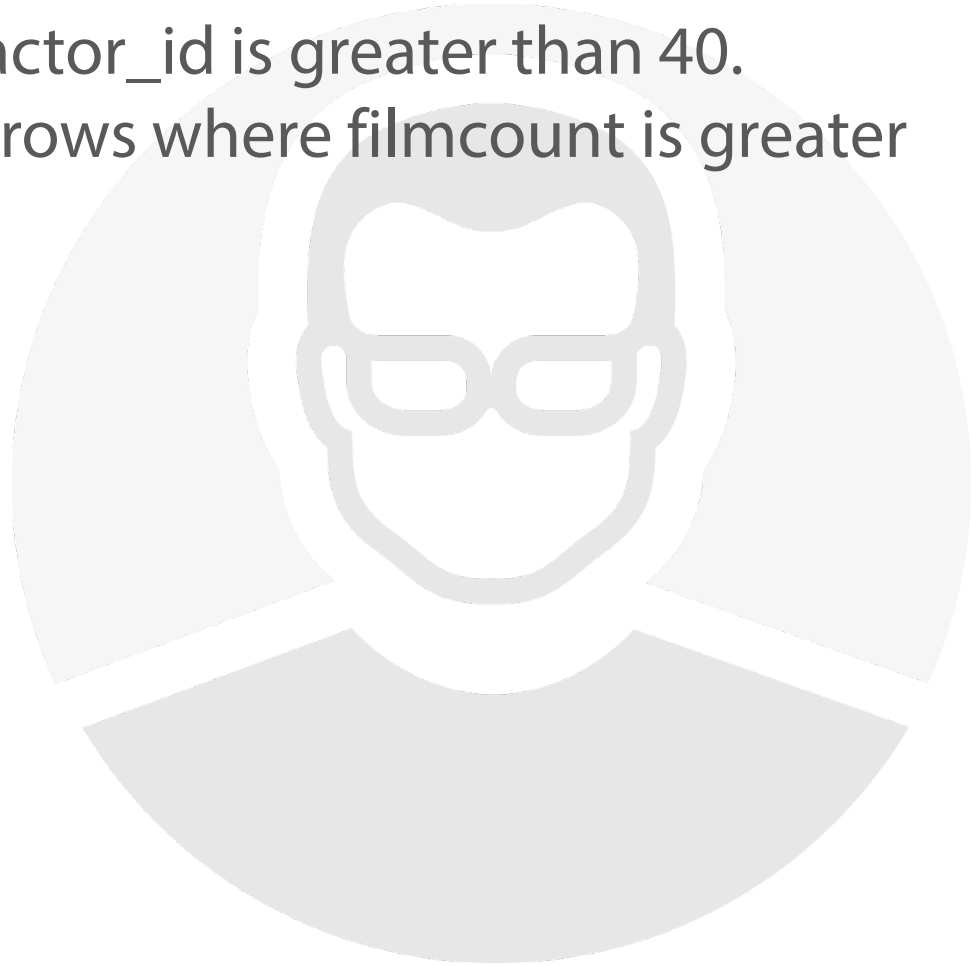
Scenario 3: Deleting Data From Table

- Story: Beth asks Troy to remove data where actor_id is greater than 40. Additionally, she suggested to keep ALL the rows where filmcount is greater than 30.
- Tasks:
  - Remove rows with actor_id > 40
  - Keep rows with filmcount > 30





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Scenario Conclusion

Beth
Sr. DBA

Troy
Jr. DBA

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Scenario Conclusion

Beth
Sr. DBA

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Intern

I want to be
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Scenario Conclusion

Beth
Sr. DBA

Troy
Jr. DBA

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Scenario Conclusion

Beth

DBA Manager

Troy

Sr. DBA

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Summary

- Select Statement
- Table Operations
  - Insert
  - Update
  - Delete

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