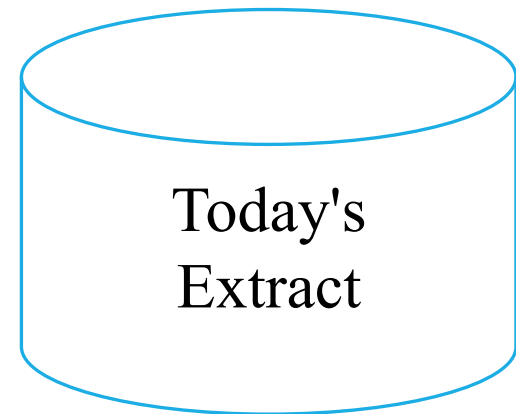# Staging Patterns

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Staging Patterns

- Data extractions should be saved in stage, but how? Three common patterns:

1. Truncate and load

2. Append

3. New table each time

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Truncate and Load

- Before extract, the previous extract is truncated.

- Easy to implement, but there is no convenient access to previous extracts.

- If you need a previous extract, you must rely on database backup.

Today's
Extract

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Append

- Each extract is appended to the stage table.

- Easy to implement; convenient access to previous extracts.

- Performance issues with large amounts of data. Should be partitioned by date and clustered index.

Extract
Three Days Ago

Extract
Two Days Ago

Yesterday's
Extract

Today's
Extract

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New Table Each Time

- Each extract creates a new table.

- Not as easy to implement, but convenient access to previous extracts.

- Better performance than append since row set is smaller.

Extract
Three Days Ago

Extract
Two Days Ago

Yesterday's
Extract

Today's
Extract