

# Designing and Implementing SQL Server Tables and Views

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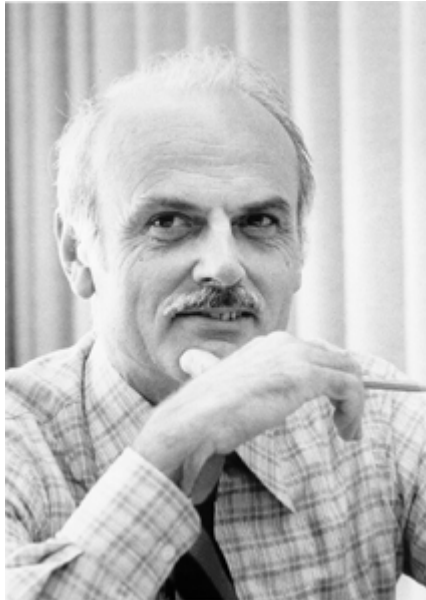
## INTRODUCING TABLES AND VIEWS



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Edgar F.  
Codd

## Relational databases

A relational model of data for large shared data banks

Hierarchical storage and flat files

Tables and relationships

Codd: Relations, tuples, attributes

RDBMS: Tables, rows, columns

Tables = Sets → no duplicate rows!

Demo



## Azure Data Studio

- <https://bit.ly/2RI14yl>

## SQL Express or SQL Developer

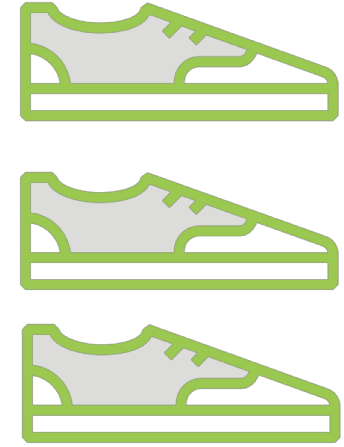
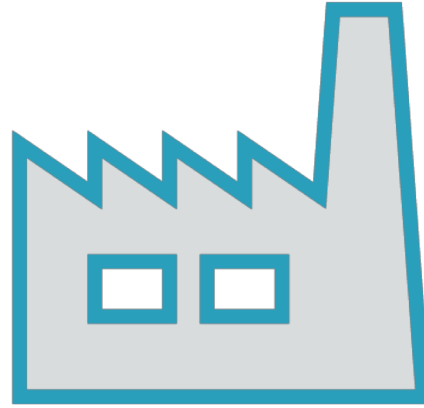
- <https://bit.ly/2mW1Y5u>

Localdb: (LocalDb)\MSSQLLocalDB

## Containers:

- <https://dockr.ly/2B97cnc>

# Bob's Shoes



# Course Overview



**Designing and implementing tables**

**Improving table design through normalization**

**Ensuring data integrity with constraints**

**Designing views to meet business requirements**

**Designing updateable views**

**Implementing partitioned views**

**Implementing indexed views**