# Becoming a .NET Developer

Database Development

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pluralsight
hardcore dev and IT training

# Agenda

- Database Basics
- Creating a SQL Server Database
- SQL Queries
- N-Tier application Architecture
- Connecting the Diner Max 3000 Database
- Summary

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# Database Basics

- Storing and retrieving data
- Database Engine
- Microsoft SQL Server

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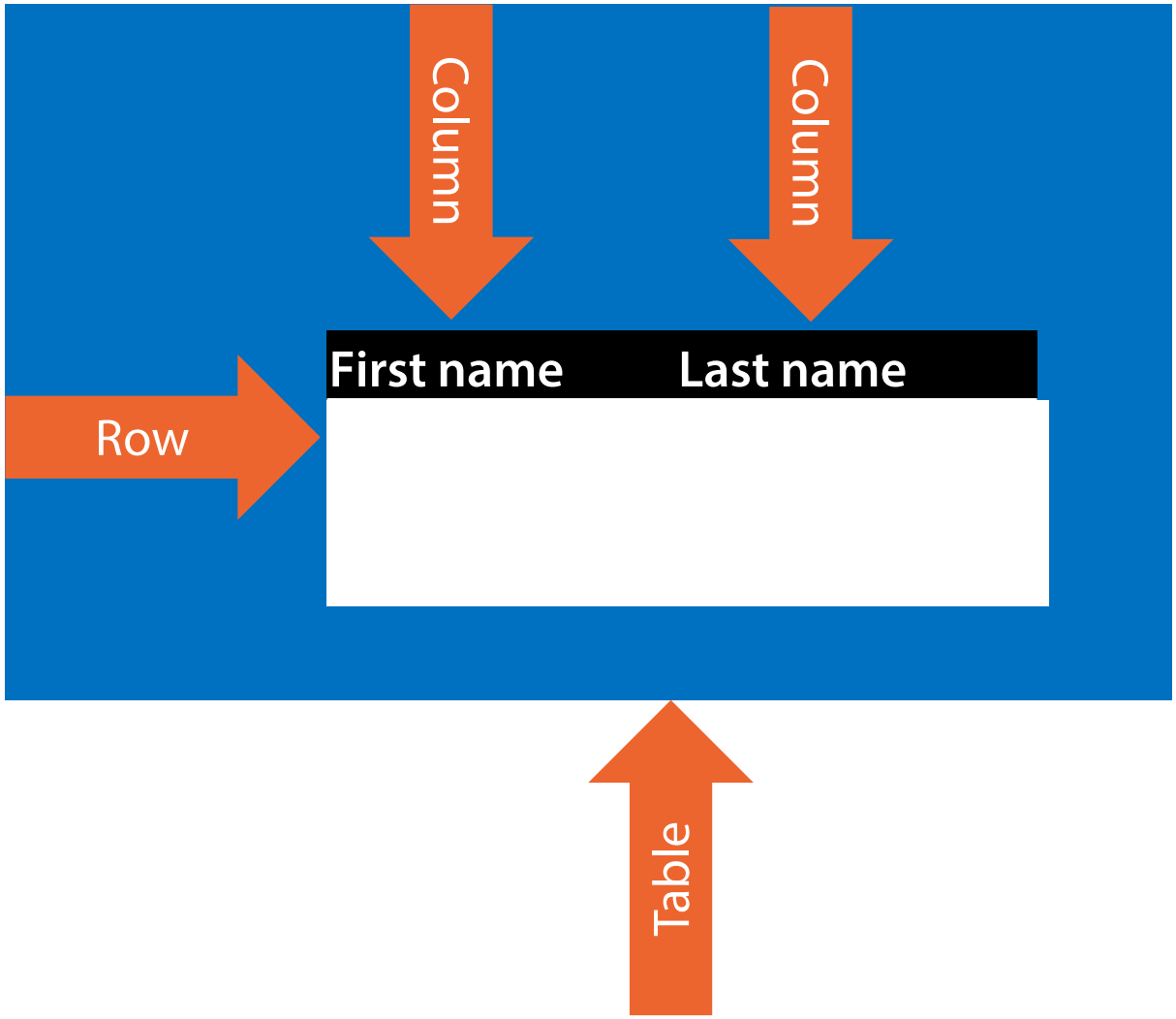
# Columns, Rows and Tables

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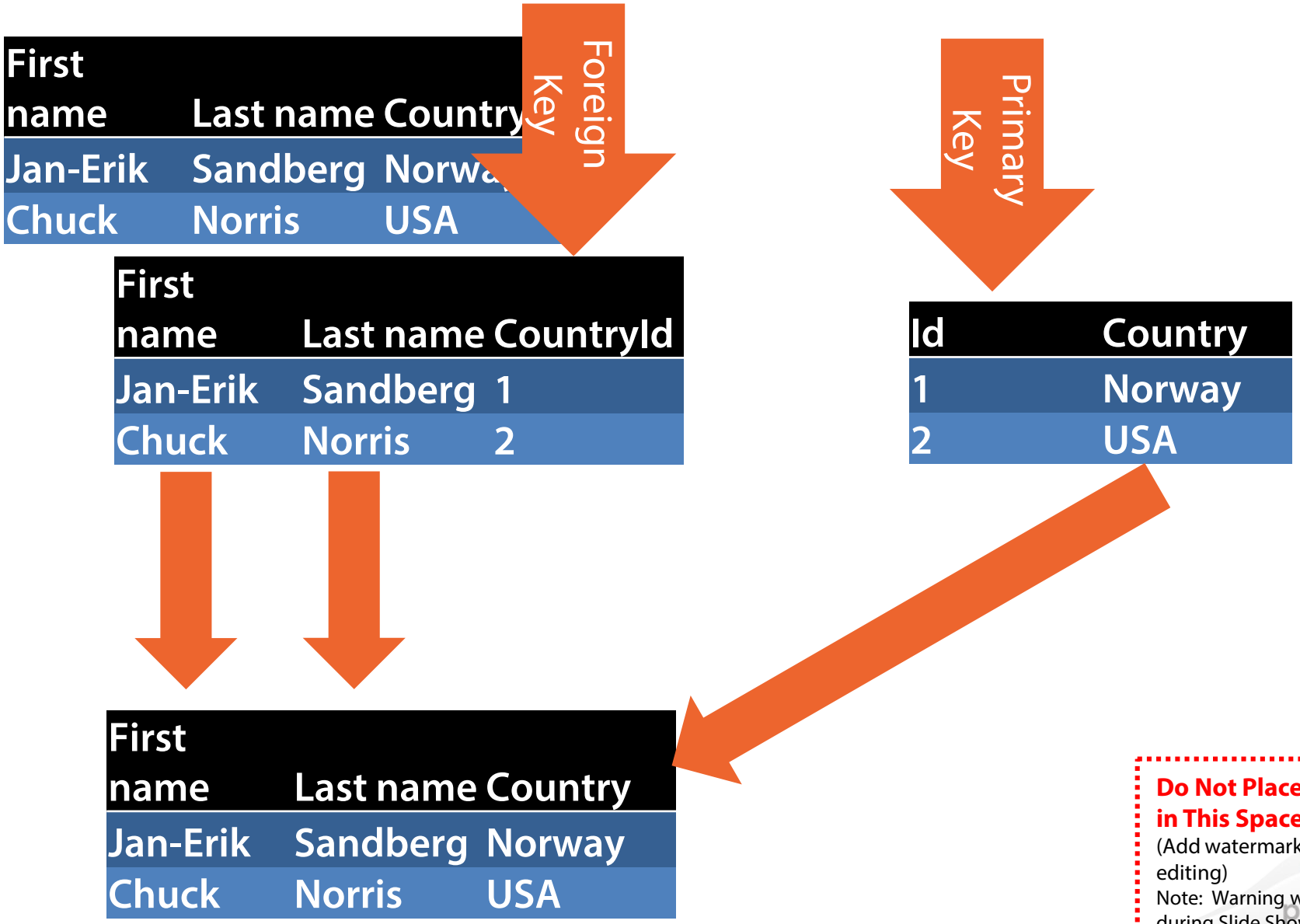
# Relational Data

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# Normalization

| First name | Last name | Telephone number |
|---|---|---|
| Jan-Erik | Sandberg | 911 61228 |
| | | 555-7091337 |

| Id | First name | Last name |
|---|---|---|
| 1 | Jan-Erik | Sandberg |
| 2 | Chuck | Norris |

| First name | Last name |
|---|---|
| Jan-Erik | Sandberg |
| Jan-Erik | Sandberg |
| Chuck | Norris |

| PersonId | Phone number |
|---|---|
| 1 | 91161228 |
| 2 | 555-7091337 |
| 1 | 555-3001337 |

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# Example: Diner Max 3000 – Creating the Database

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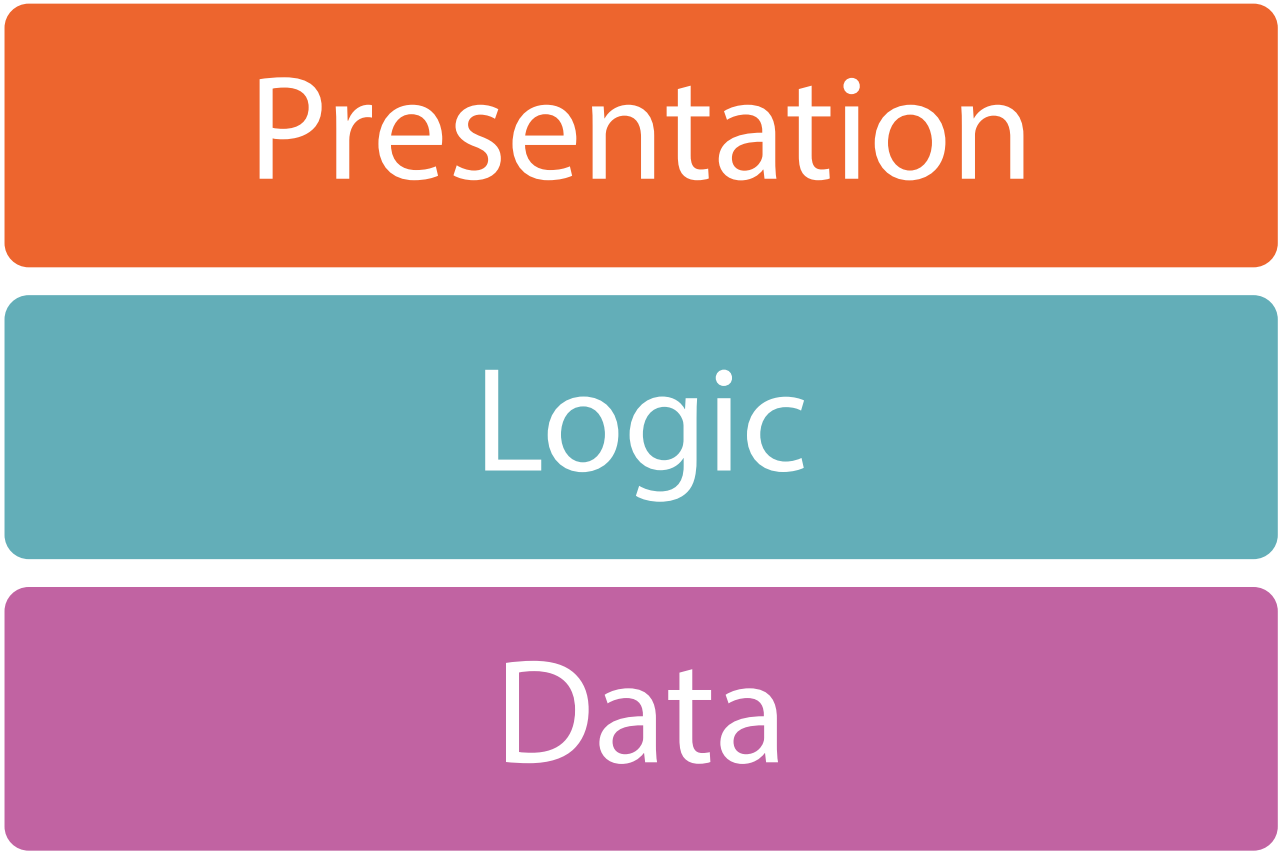
# The N-Tier application

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# Example: Diner Max 3000 – Connecting the Database

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# Summary

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- SQL Queries
- N-Tier application Architecture
- Connecting the Diner Max 3000 Database

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