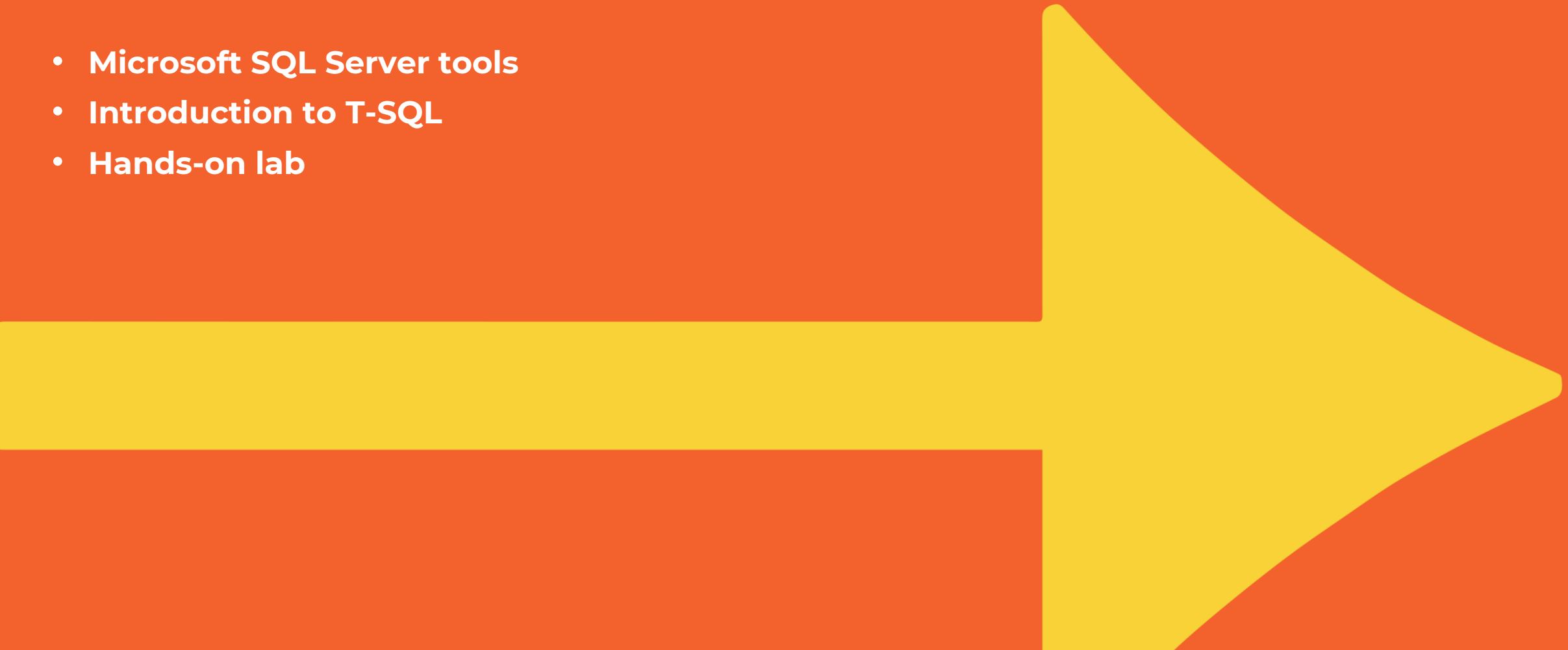
POWERING POTENTIAL

Introduction to Transact SQL

Version 1.5

Overview

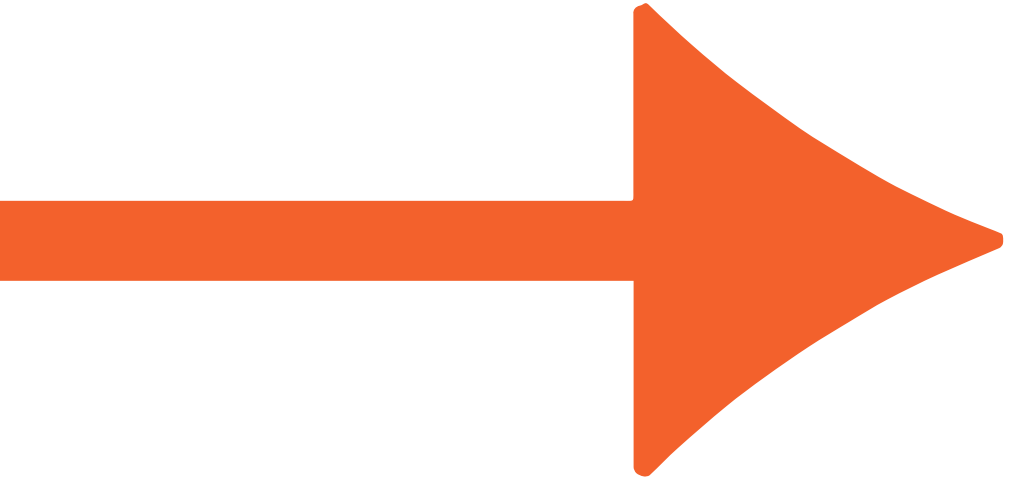
- Microsoft SQL Server tools
- Introduction to T-SQL
- Hands-on lab



Microsoft SQL
Server Tools

Microsoft SQL Server Tools

- Microsoft SQL Server
- SQL Server Management Studio
- Executing queries

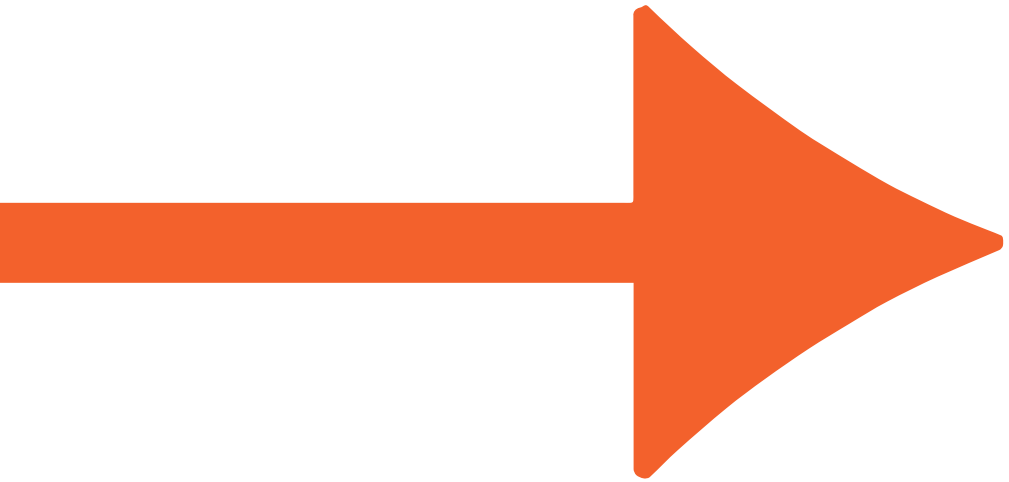


Microsoft SQL Server

- Relational database management system (RDBMS) (Microsoft SQL Sever Management System)
- Database engine (Microsoft SQL Server)

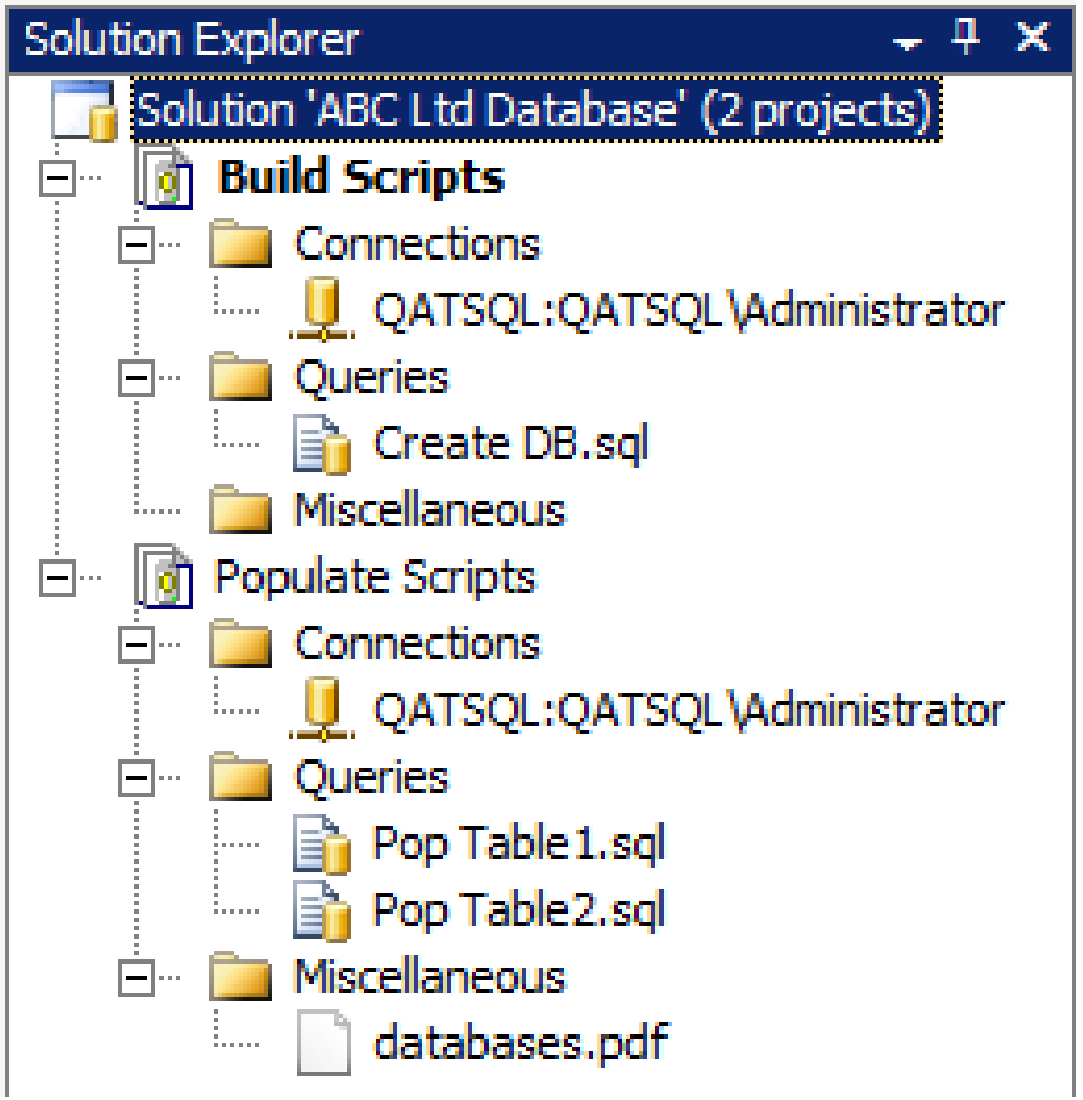
SQL Server Management Studio

- **Introduced with SQL Server 2005**
- **Integrated development and management tool**
  - Previously there were several separate products
- **Central management for SQL Server**
- **Graphical and code management**
  - Intellisense editor – code completion
  - Drag and drop from object explorer window
  - Code snippets (introduced in 2012)
- **Solution-based script file management**



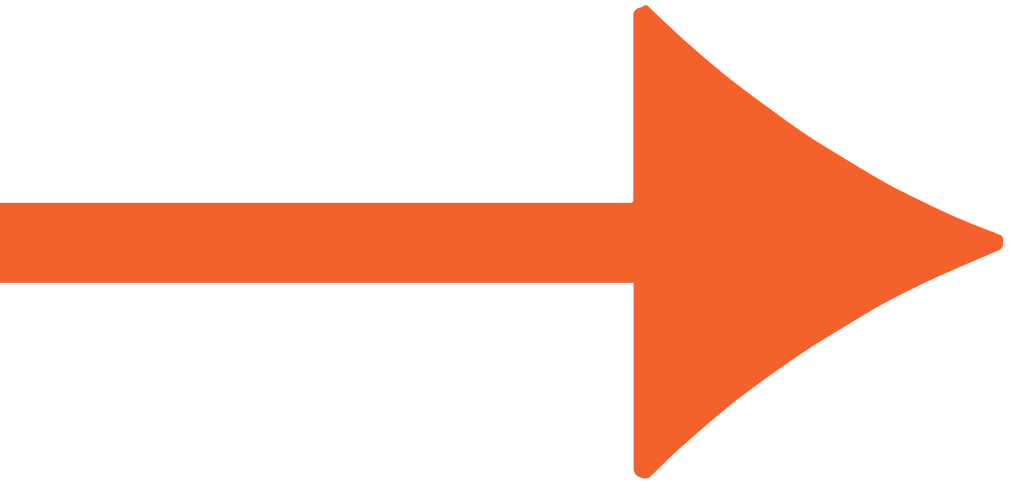
SQL Server solutions

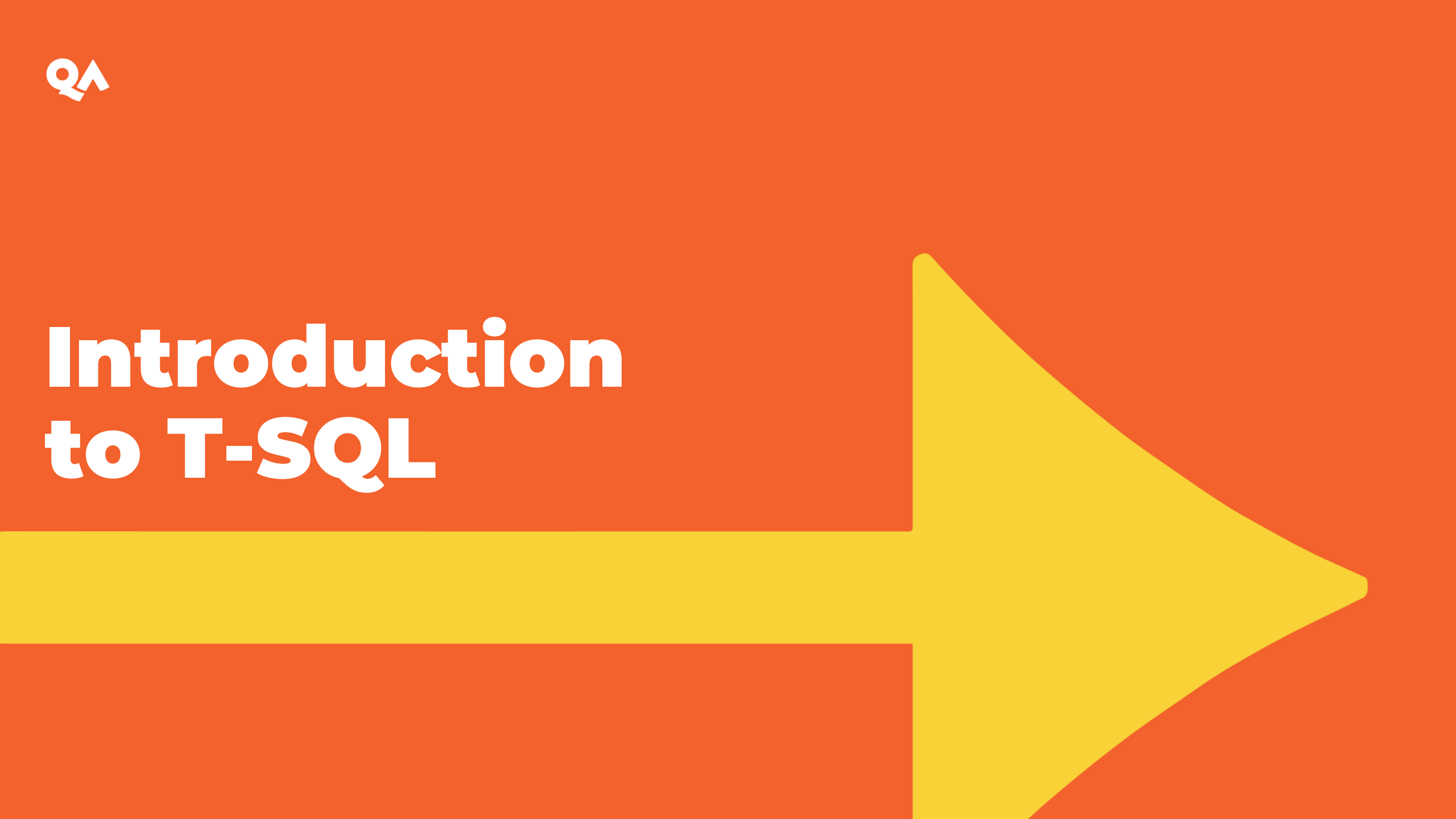
- **A solution contains one or more *projects***
  - Create an initial project to create the solution
- **A project contains files**
- **Add new or existing files to the project**
- **A solution can be added to source control**



Executing queries

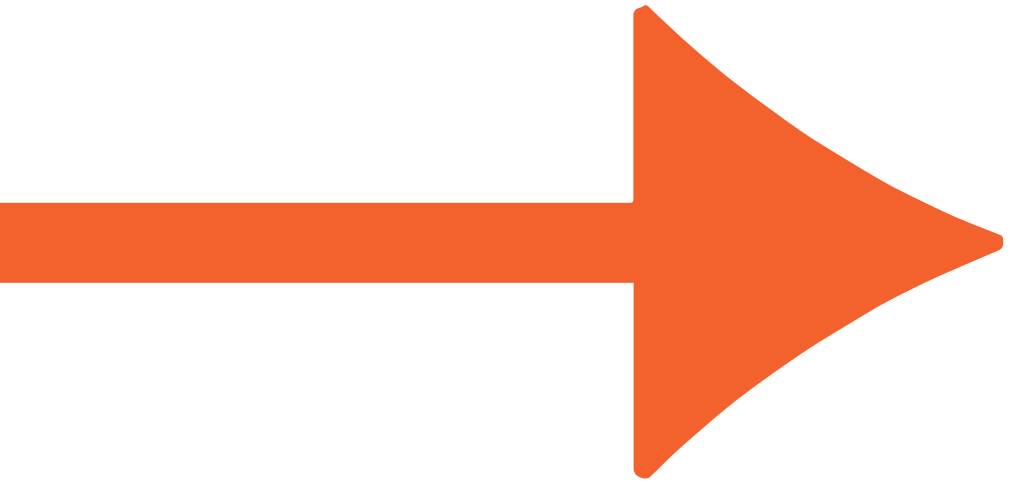
- **Query content**
  - Create queries by interactively entering them in a query window
  - Load a file that contains T-SQL and then execute commands, or modify then execute
- **Save queries**
- **Execute queries by:**
  - Selecting the code to run
  - Running the complete script




Introduction
to T-SQL

Introduction to T-SQL

- What is SQL?
- What is T-SQL?



Review

- RDBMSs
- Microsoft SQL Server
- SSMS
- Query Editor