Capita

SQL Advanced

Professional Services

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Contact Capita

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Contents

Introduction

SQL is the basis of all reporting options within the Capita One system. A working knowledge is a significant advantage to anybody required to extract information from the database. This session talks delegates through the fundamentals of SQL using Capita One data. Providing an overview of how SQL can help with your wider report writing or alert requirements.
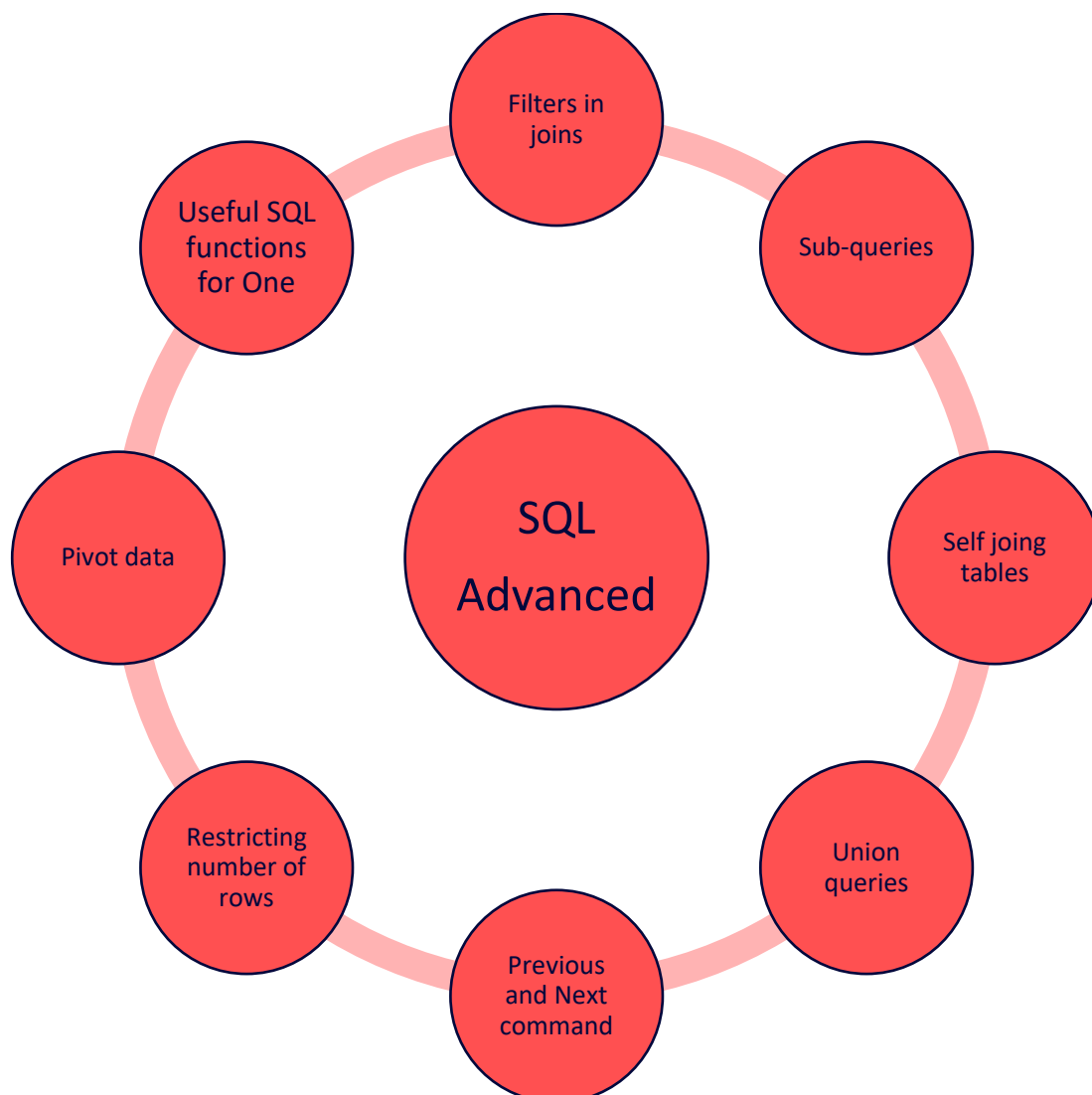
Benefits

Create advanced reports using SQL in SSRS and Crystal. Be able to better understand queries provided by Capita, analyse data, and create SQL alerts in One.

Pre-requisites

- An SQL program such as SQL tools SQL Developer, Toad or similar.

- Oracle client

- Log on to the One database

Service Overview

Capita Children's Services will assist in the successful training of SQL Basics by providing the following:

Capita believe in a strong emphasis on a proactive partnership with the customer. The Capita Project Coordinator will work closely with the customer's appointed Project Lead throughout the project to achieve this. The Capita Project Coordinator is the coordinating Capita staff member assigned to the project and is therefore able to respond authoritatively to the needs of the project and will actively and continually monitor progress on all risks, issues, actions, and decision in order to ensure successful delivery.

Service Details

SQL training

Objectives

- Be able to create Advanced SQL queries.

Audience

- Report Writers

- System Administrators

Standard Agenda

- Apply filters in your join statements to return only relevant data.
  example - to return all students and any permanent exclusions within the current academic year.

- Use subqueries
  example - list all involvements and the number of reasons recorded for each of them

- 'Self-joining' tables
  example - find all other people with the same correspondence address as a student

- Use 'Union' to return all data from multiple subqueries as rows
  example - total cases by caseworker and total for the whole authority

- Return previous or next field values
  example - end date of previous school for each student

- Restrict records to a number of rows
  example – a student's current school and the previous school they attended

- Pivot rows of data into a single (comma) separated column
  example - all outcomes rows recorded against an involvement as a single column within the involvement row

- Other useful SQL functions

Outcomes

- Create Advanced SQL queries for use in Reports and Alerts

- Run quick queries on the One data to troubleshoot any data problems