SQL Advanced

Professional Services

mri education

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Introduction

SQL is the basis of all reporting options within the MRI Education 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 MRI Education data. Providing an overview of how SQL can help with your wider report writing or alert requirements.

Benefits

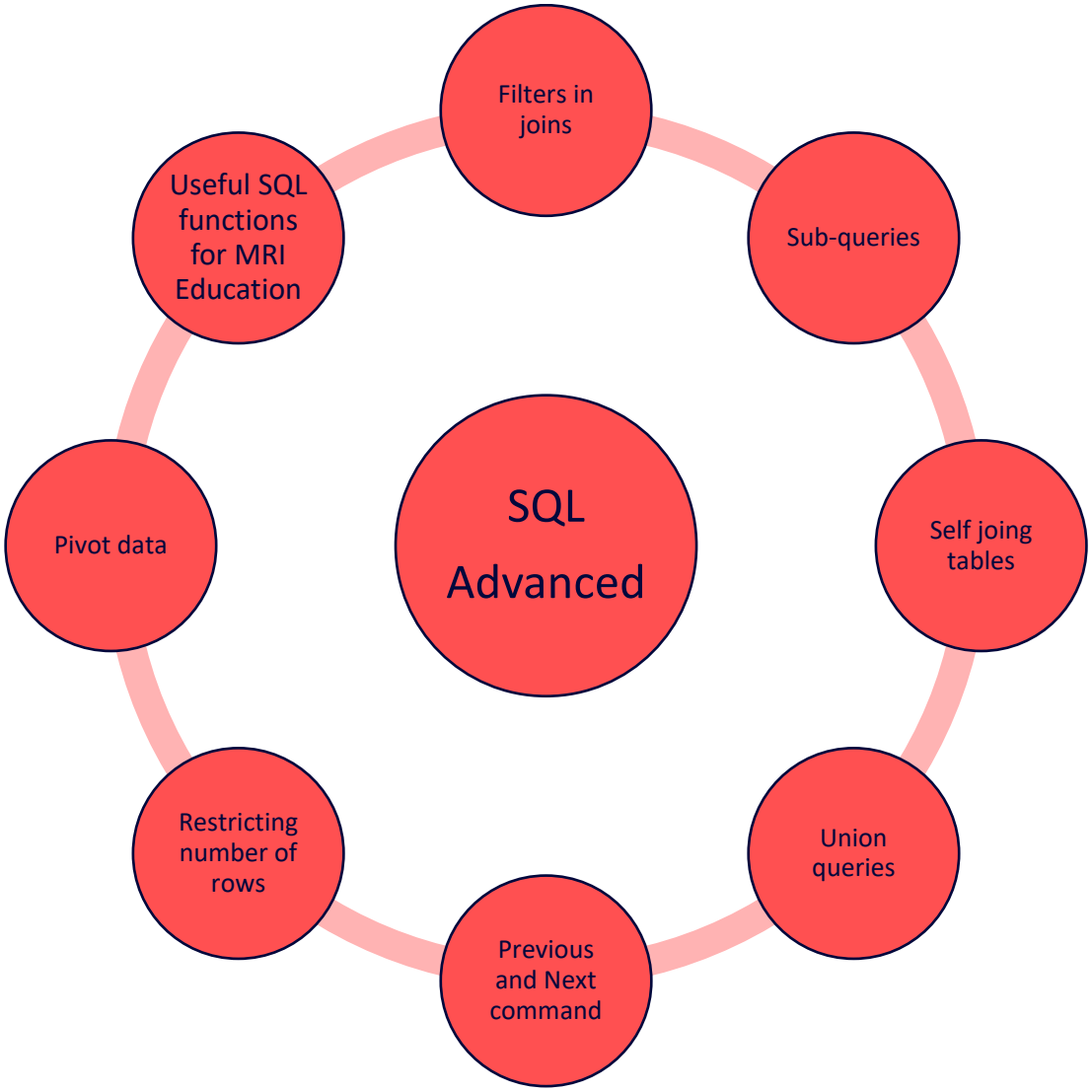
Create advanced reports using SQL in SSRS and Crystal. Be able to better understand queries provided by MRI Education, analyse data, and create SQL alerts in MRI Education.

Pre-requisites

- An SQL program such as SQL tools SQL Developer, Toad or similar.
- Oracle client
- Log on to the MRI Education database

Overview

MRI Education will assist in the successful training of SQL Basics by providing the following:



We believe in a strong emphasis on a proactive partnership with the customer. The MRI Education Project Coordinator will work closely with the customer's appointed Project Lead throughout the project to achieve this. The MRI Education Project Coordinator is the coordinating MRI Education 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.

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 MRI Education data to troubleshoot any data problems

