

# Crystal Reports XI: Level 2

## Course Specifications

Course length: 2.0 day(s)

## Course Description

Now that you have completed the first course, or are familiar with the basics of building and modifying reports, you're ready to move ahead to create complex reports and data sources using Crystal Reports' tools. In this course, you'll not only learn how to create more sophisticated reports including subreports and cross-tabs, but you'll also learn how to increase the speed and efficiency of your reports by using SQL queries.

**Course Objective:** You will create complex reports using Crystal Reports' tools.

**Prerequisites:** Crystal Reports XI: Level 1, and knowledge of programming and/or SQL would be helpful.

## Course Content

### Lesson 1: Creating Running Totals

Topic 1A: Create a Running Total Field  
Topic 1B: Modify a Running Total Field  
Topic 1C: Create a Manual Running Total on Detail Data  
Topic 1D: Create a Manual Running Total on Summary Data

### Lesson 2: Building Cross-tabs in Your Report

Topic 2A: Create a Cross-tab  
Topic 2B: Create a Specified Group Order  
Topic 2C: Filter a Cross-tab by Group  
Topic 2D: Change the Cross-tab Format  
Topic 2E: Conditionally Format Rows and Columns  
Topic 2F: Keep Groups Together

### Lesson 3: Adding Subreports

Topic 3A: Insert a Subreport  
Topic 3B: Link a Subreport to a Primary Report  
Topic 3C: Edit a Subreport's Structure  
Topic 3D: Format a Subreport Using the Format Editor  
Topic 3E: Share Variables Between Subreports and Primary Reports  
Topic 3F: Create an On-demand Subreport

### Lesson 4: Creating Drill-downs

Topic 4A: Create a Drill-down  
Topic 4B: Create Separate Headings for Drill-down Data

### Lesson 5: Enhancing Report Processing by Writing SQL Statements

Topic 5A: Create a Report Using SQL Queries  
Topic 5B: Summarize Report Data Using SQL Aggregate Functions  
Topic 5C: Create Joins Using SQL  
Topic 5D: Create Subqueries  
Topic 5E: Create a SQL Expression Field  
Lesson 6: Charting Data  
Topic 6A: Create a Bar Chart  
Topic 6B: Modify a Chart  
Topic 6C: Format a Chart  
Topic 6D: Create a Chart Template  
Topic 6E: Create a Top N Chart  
Topic 6F: Create a Cross-tab Chart

### Lesson 7: Reporting on Excel Data with Crystal Reports

Topic 7A: Create a Report Based on Excel Data  
Topic 7B: Modify a Report Generated from Excel Data  
Topic 7C: Update Data in a Report Based on Excel Data

### Lesson 8: Working with Prompts

Topic 8A: Create a Static Prompt  
Topic 8B: Create a Dynamic Prompt

### Lesson 9: Enhancing Report Functionality

Topic 9A: Group Data Hierarchically  
Topic 9B: Create a Dynamic Image  
Topic 9C: Create a Report Alert  
Topic 9D: Create a Geographic Map

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