Basic Practical SQL for Testers

COURSE OVERVIEW
This computer-based course starts with the basics of databases. It progressively introduces the tester to structured query language, and how a tester can employ database queries to effectively enhance testing. This course teaches candidates how to write structured query language and walks candidates through progressive queries on a sample database. The queries are aimed at retrieving results so a tester can validate that their GUI results are correct as per the information in the database.

COURSE CONTENT
The course covers the following areas:

Module 1 - Introduction to the fundamentals
An introduction to SQL, Databases, Data Types, Primary and Foreign Keys. Foundation building information needed in order to build queries.

Module 2 - Building queries
Query structure is explained and analysed. A clause by clause / keyword-by-keyword build-up of the query to understand the SQL query structure.

Module 3 - Expressions, Functions & Advanced Queries
Different facets of queries are explained and an introduction is given to joins, which falls into advanced queries.

COURSE PREREQUISITES
The course is aimed at software testers with no SQL experience. General knowledge of the information technology industry is an advantage.

TRAINING STYLE
The course is conducted in a classroom style. Candidates use practical tasks to consolidate theoretical concepts. Any testing-related problems encountered in the workplace can be discussed in the course.

INTENDED AUDIENCE
The course is relevant to testers who have no SQL experience.