Chapter 1: CASE

You will learn:

- The use of CASE in a variety of SQL statements.
- Techniques for using the CASE clause.
- Coding UNION and UNION ALL clauses.
- Coding UNION in IN clauses.

Chapter 2: Modifying Data

You will learn:

- Views and expressions.
- How to utilize the different inserts - single row, from another table, inserting data into a ROWID Column.
- Inserting with the DEFAULT keyword.
- Inserting using expressions.
- Inserting with self-referencing SELECT.
- Utilizing DELETES.
- Mass update.
- Updates using Select.

Chapter 3: UDT: User-defined Distinct Types

You will learn:

- The utilization and rules of functions.
- How to code and use variety of built-in functions.

Chapter 4: Row Expressions

You will learn:

- The advantages of row expressions.
- How to code and use the ORDER clause.
- How to create and test summary queries.
- How to execute and describe unions.
- The advantages and disadvantages of recursive programming.

Chapter 5: EXPLAIN

You will learn:

- The features of the EXPLAIN.
- How to run the EXPLAIN against various SQL statements.
- How to decipher the values in the explain tables.
- Populating the plan tables.

Chapter 6: Functions: Advanced Use

You will learn:

- How to code and understand various SQL programming techniques.
- How to use CASE for processing data.
- Coding scalar fullselects.

Chapter 7: Tuning SQL

You will learn:

- Parsing predicates.
- How to determine filter factors.
- Calculating I/O cost.
- Techniques for improving SQL performance.