



## Learning Guide Unit 7

### Overview

#### Unit 7: Database Interaction and Connectivity

##### Topics:

- Database Programming
- Transactions
- Embedded SQL
- Static and Dynamic SQL
- Database API's (Application Programming Interfaces)
- ODBC (Open Database Connectivity)
- JDBC (Java Database Connectivity)

##### Learning Objectives:

By the end of this Unit, you will be able to:

1. Identify SQL implementation methods in programming and define transactions in database contexts.
2. Explain embedded SQL usage and use key interface technologies like JDBC and ODBC.
3. Differentiate between static and dynamic SQL and the usage of database API's for SQL implementation.

##### Tasks:

- Read through the Learning Guide and the Reading Assignment.
- Complete and submit the Programming Assignment.
- Take and submit the Self-Quiz.



