

Mind Q Systems Private Limited

DATABASE TESTING

Module 1: Database concepts primer

- ✓ What is Database Application?
- ✓ Testing the Application vs. Testing the DMBS
- ✓ Back End vs. Front End Testing
- ✓ QA' ing Data Who is responsible?
- ✓ What should be test in the Database?
- Knowledge required for the Database Tester
- ✓ Database Testing Phases
- ✓ Database Testing Methodologies
- ✓ Structural Database Testing
- ✓ Functional Database Testing

Module 2: Basic SQL (Structured Query Language)

- ✓ SQL Coding Standards what you need to know
- ✓ SQL Basics : Select, Insert, Update and Delete
- ✓ Using the select Statement to Test data
- ✓ Using the insert Statement to generate Test data
- ✓ Testing for application accuracy using the Update and Delete Statements
- Testing for basic data integrity using Constraints

Module 3: Testing with SQL

- ✓ Joining Tables
- ✓ Using SQL Queries for Data Verification
- ✓ How Concurrency Issue affect data accuracy
- ✓ Database Objects:
 - ✓ Views
 - ✓ Indexes
 - ✓ Stored procedures
 - ✓ Triggers
 - ✓ User Defined Functions

Module 4: Using SQL in Scripting Languages

- ✓ Structural Database Testing using TOAD Tool
 - ✓ Database schema tests
 - ✓ Database and devices
 - ✓ Tables, Columns types, defaults and rules
 - ✓ Keys and indexes
- ✓ Stored Procedure tests
 - ✓ Individual Procedure tests
 - ✓ Integration tests of procedures
- ✓ Trigger tests
 - ✓ Testing Update triggers
 - ✓ Testing Insert triggers
 - ✓ Testing Delete triggers
- ✓ Integration tests of SQL server
- ✓ Functional Database Testing Using QTP with VB Script
- Dividing Back End based on Functionality
- ✓ Checking data integrity and consistency
- ✓ Test back end via front end
- ✓ Login and ser security
- ✓ Stress testing
- Catching common Database application hacks
- Test cases protecting against SQL Injection and other common hacks
- ✓ Session Wrap Up
- ✓ Summary
- ✓ Final Ouestions

Ph: +91.40.66 66 42 91 / 92

Email: info@mindqsystems.com; Url: www.mindqsystems.com; : www.facebook.com/mindqsystems