

# RCS Education — Instructor-led Course Description

## DB2 - Database Administration

### Who can benefit

Individuals who can benefit from this Course are Students from Engineering, BCA or MCA streams, or IT Professionals, who are planning to acquire skillsets in IBM Db2 Database Administration and are preparing to take up related IBM Certification.

### Prerequisites

To succeed fully in this course, students should possess basic computer skills.

### Content

#### Module 1 :

- ❖ Introduction to Database Systems
- ❖ Relational Data Model
- ❖ Overview of Database Design
- ❖ Entity Relationship Model
- ❖ From Er Models to Relational Tables
- ❖ Integrity Rules
- ❖ Overview of DB2
- ❖ Roadmap To DB2 Tools
- ❖ The DB2 Environment
- ❖ DB2 Storage Model
- ❖ Working with Database Objects
- ❖ Simple Sql Queries
- ❖ Retrieving Data from Multiple Tables
- ❖ Scalar Functions and Arithmetic
- ❖ Column Functions and Grouping
- ❖ Union
- ❖ Using Subqueries

#### Module 2 :

- ❖ Maintaining Data
- ❖ Moving Data
- ❖ Backup And Recovery
- ❖ Locking And Concurrency Control
- ❖ DB2 Security
- ❖ Monitoring DB2
- ❖ DB2 Programming
- ❖ Embedded Sql - Sqlj Programming
- ❖ JDBC Programming
- ❖ JDBC Programming Iii
- ❖ Stored Procedures Programming
- ❖ Performance Considerations
- ❖ Overview of Datawarehouse, Business Intelligence And Knowledge Management
- ❖ Building the Data Warehouse
- ❖ Accessing the Data Warehouse
- ❖ Integrated Data Warehouse
- ❖ Summary and Planning Considerations
- ❖ Federated Databases
- ❖ Integrating Xml Contents With Db2

For further information on courses please visit our Web site at  
<http://www.rcsedu.com>  
 or , please call: 080 - 25540173, 9880791919