

DB2 PROGRAMMING

COURSE CURRICULUM | COURSE CODE C004

1

MODULES

16 hrs

TOTAL INSTRUCTION

EVILT

DELIVERY METHOD

Basic JCL & COBOL
knowledge

PREREQUISITES

DB2 PROGRAMMING CURRICULUM

MODULE 1

MODULE

1

DB2 Programming

- Introduction to SQL
- SQL, SELECT, FROM, WHERE, HAVING, GROUP BY, ORDER BY
- JOINS: LEFT OUTER JOIN, RIGHT OUTER JOIN, EQUI JOIN
- History and Evolution of Database
- What is RDBMS
- Designing Relational Database, Codd's Rules, Normalization
- Defining A Database
- Creating Tables to store data
- Establish relationship between tables
- Defining a column, imposing constraints on a column
- DB2 Program preparation: DCLGEN, DBRM, BIND PLAN, PACKAGE and COLLECTION
- SQL EDITORS: SPUFI/QMF
- COBOL PROGRAM USING DB2 TABLES ONLY
- COBOL PROGRAM USING DB2 TABLES AND NON-VSAM FILES
- COBOL PROGRAM USING DB2 TABLES AND VSAM FILES
- COBOL PROGRAM USING DB2 TABLES, NON-VSAM AND VSAM FILES
- COBOL DB2 PROGRAM USING CURSORS
- COBOL DB2 PROGRAM USING CURSORS FOR UPDATE OF COLUMNS
- COBOL PROGRAMS TO INSERT ROWS INTO DB2 TABLES
- COBOL PROGRAM TO DELETE ROWS FROM DB2 TABLES
- COBOL DB2 PROGRAM USING CURSOR TO RETRIEVE DATA FROM MORE THAN ONE TABLE
- COBOL PROGRAM TO MATCH DATA FROM ANOTHER TABLE USING SINGLETON QUERY

COURSE DETAILS

Course Overview

- Learn from fundamental to advanced concepts of using DB2 Tables in Host Language programs
- Learn how to write interactive SQL using SPUFI and QMF
- Learn how to prepare a Host Language Program to use data source as DB2 Tables
- Learn advanced concepts like COMMIT and ROLLBACK

Course Activities

- Software Engineers who are struggling with fundamental concepts of SQL will get their fundamentals right
- COBOL Programmers who lack Database skills will be clear in handling Data from Database and files efficiently
- Testing and Production Support Professionals will have a chance to move into Development Projects after learning COBOL and DB2
- Developers will be able to quickly resolve pre-compile, Bind and run time DB2 Abends in their Project Activities

Target Audience

1. Freshers who are working in DB2 Mainframe Projects
2. Mainframe Production Support & Testing Professionals
3. Developers who are struggling in using DB2 Development Projects
4. Developers who wanted to move into DB2 Development Projects

Delivery Method

Ez-Learn Virtual Instructor Led Training (EVILT)

Course Duration

16 hrs

Prerequisites

Basic knowledge on JCL and COBOL is must

Recommended Training

One - One
A Batch of People

Learning Path

<https://www.ez-learn.global/db2-in-cobol/>