IBM i (AS400)...

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Introduction to IBM i:

- ☑ Server architecture
- ☑ Object oriented architecture
- ☑ Technology independent machine interface
- ☑ Operating model
- ☑ Various file system in iSeries

Various modules to IBM i:

- ☑ DB2 for i
- ☑ Control language
- ☑ RPG
- ☑ ILE (Integrated language environment)

Database

- ☑ Introduction of Db2
- ☑ Storage architecture
- ☑ Types of files
- ☑ Physical file
- ☑ Logical file (Simple LF, Join LF, Multi format LF)
- ☑ Use of DB2 files
- ☑ Working with files – Creation, compilation etc
- ☑ Keywords
- ☑ Implementing SQL in Db2

Control language programming:

- ☑ Introduction to CL
- ☑ Usage of CL
- ☑ Language syntax – writing basic CL program
- ☑ Introduction to CL commands and usage
- ☑ Use of variables, constants
- ☑ Conditional statement
- ☑ Loops and control break statement
- ☑ Built in functions
- ☑ Subroutines
- ☑ File handling in CL
- ☑ Message handling
- ☑ Data area
- ☑ Data queue
- ☑ Jobs in iSeries
- Interactive Job
- Batch Job
- Basics of job monitoring
- ☑ Job queue
- ☑ Out queue
- ☑ Spool file concept
- ☑ Out file concept

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User interface design

- ☑ Creating display file
- ☑ Implementing display file in program
- ☑ Introduction to indicators
- ☑ Working with Subfiles
- ☑ Working with Window Subfile

Introduction to HLL programming – RPG:

- ☑ Basics of RPG programming
- ☑ Language syntax
- ☑ Various specifications in RPG
- ☑ Introduction to variables, constants and keywords
- ☑ Conditional statement
- ☑ Loops
- ☑ Op codes
- ☑ Built in functions
- ☑ File handling
- ☑ Working with display file in program
- ☑ Concept of Array, Data structure in detail
- ☑ Introduction to Subroutine
- ☑ Procedure-sub procedure programming
- ☑ Error handling
- ☑ Working with reports in RPGLE

Introduction to ILE

- ☑ Program binding
- ☑ Bind by call
- ☑ Bind by reference
- ☑ Module
- ☑ Service program
- ☑ Binding directory
- ☑ Binder source
- ☑ Activation Group

Introduction to SQL in I

- ☑ Table
- ☑ Index
- ☑ Views
- ☑ Joins & Unions
- ☑ Aggregate functions
- ☑ Other useful SQL functions

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Advance topics

- ☑ Concept of Copybook
- ☑ Embedded SQL programming
- ☑ Free format programming
- ☑ Working with IBM provided API's
- ☑ Advance user interface
  1. Push buttons
  2. Drop down selection
  3. Menu bar
  4. Working with Mouse
  5. Single and Multiple choice selection fields
  6. Continued entry fields
- ☑ Introduction to Qshell (Shell of IBM I) programming
- ☑ Introduction to File transfer protocol (FTP)