



DB2 Express-C University Program

Offerings, agenda and requirements

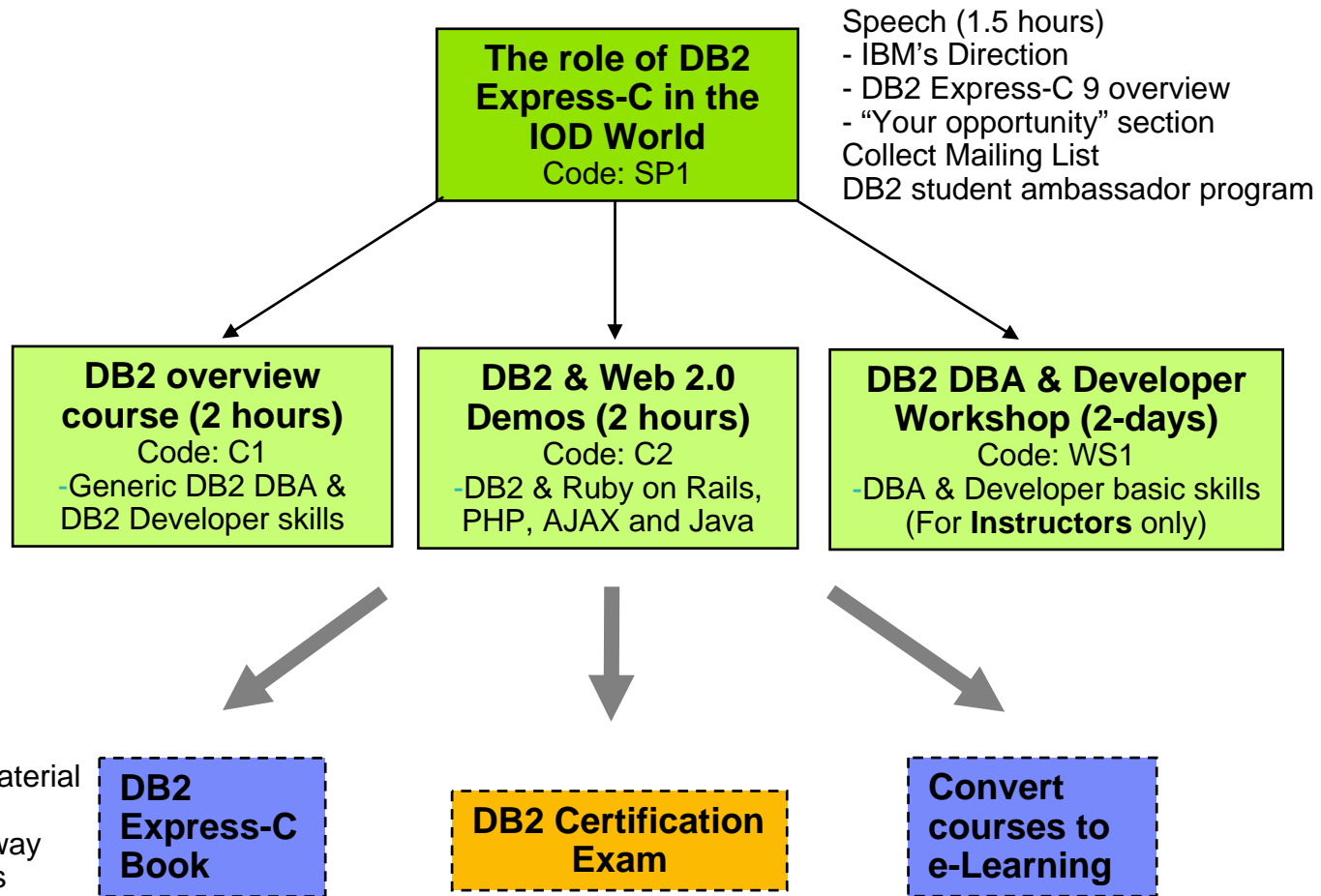


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5/4/2007

DB2 Express-C University Program for 2007



Speech:

The role of DB2 Express-C in the
Information on Demand world
(Code: SP1)
(1.5 hours)

Speech: The role of DB2 Express-C in the Information on Demand world (Code: SP1)

■ Description

- Duration: 1 hour and 30 minutes
- Technical and motivational speech

■ Requirements

- Projector
- Whiteboard and markers
- (Wireless) Microphone
- Pointer
- Evaluation Form and Summary attendance list (Speaker to supply)

Speech: The role of DB2 Express-C in the Information on Demand world (Code: SP1) (cont'd)

■ Agenda

– IBM's Direction

- Innovation, On demand business, Information on demand (IOD), Service Oriented Architecture (SOA), Web Services, XML

– DB2 Express-C 9 Technical Overview

- pureXML, DB2 Developer Workbench, STMM

– Your opportunity

- Participating in the DB2 Express-C forum
- Writing DB2 Express-C articles/books/applications
- Participating in the University/Student Ambassador Program

Course:

DB2 Overview
(Code: C1)
(2 hours)

Course: DB2 Overview (Code: C1)

■ Description

- Duration: 2 hours
- Provides a technical overview about DB2 database administration and Application development capabilities
- Demos used

■ Requirements

- No previous knowledge of DB2 required
- Projector
- Whiteboard and markers
- (Wireless) microphone
- Pointer
- Internet connection for instructor's laptop
- Evaluation Form and Summary attendance list (Speaker to supply)

Course: DB2 Overview (continued)

■ Agenda

- Introduction
- Installation & DB2 Editions
- DB2 Tools (Control Center, Command Editor, Command Window) and scripting
- Connectivity
- Data Movement
- Security
- Backup & Recovery
- Concurrency & Locking
- Stored Procedures, UDFs, Triggers
- SQL, XML, xpath, xquery
- Application development using Java, PHP, Ruby on Rails

Course:

DB2 & Web 2.0 Demos
(Code: C2)
(2 hours)

Course: DB2 & Web 2.0 Demos (Code: C2)

■ Description

- Duration: 2 hours
- Provides a technical overview about DB2 Application development capabilities in conjunction with Web 2.0 technology
- Demos used

■ Requirements

- No previous knowledge of DB2 required
- Projector
- Whiteboard and markers
- (Wireless) microphone
- Pointer
- Internet connection for instructor's laptop
- Evaluation Form and Summary attendance list (Speaker to supply)

Course: DB2 & Web 2.0 Demos (continued)

■ Agenda

- Introduction
- Application development using PHP
- Application development using Ruby on Rails
- Application development using Java

Workshop:

DB2 DBA & Application Development
(Code: WS1)
(2 days)

For Instructors only

Workshop: DB2 DBA & Application Development (Code: WS1)

■ Description

- Duration: 2 days. First day is DBA topics, second day is App Dev topics
- Hands-on workshop
- Uses “Quicklabs” (on the spot exercises) and full labs

■ Requirements

- No previous knowledge of DB2 required
- Projector
- Whiteboard and markers
- (Wireless) microphone
- Pointer
- Internet connection for instructor’s laptop
- Evaluation Form and Summary attendance list (Speaker to supply)

Workshop: DB2 DBA & Application Development (Continued)

■ Requirements (continued)

– Lab computers required:

- At least Pentium III 700Mhz
- Recommended memory: 1Gb. Minimum (512Mb)
- Recommended Hard disk free space: 2Gb. Minimum (1 Gb)
- Operating system: Linux/Windows (check with instructor if specific Linux distribution is used)

– DB2 Express-C images

- Copied and unzipped to D:\DB2\expressC directory.
- Do NOT install DB2 Express-C
- Image can be obtained from: www.ibm.com/db2/express

– DB2 Developer Workbench images

- Copied and unzipped to D:\DB2\DWB directory.
- Do NOT install DB2 Developer Workbench
- Image can be obtained from: www.ibm.com/db2/express

– Course notes and labs (to be supplied by instructor)

- Notes copied to D:\DB2\CourseNotes directory
- Labs copied D:\DB2\Labs directory

– Computers should be part of a network

Workshop: DB2 DBA & Application development (Cont'd)

■ Agenda

Day 1

- Introduction
- Installation & DB2 Editions
- DB2 Tools (Control Center, Command Editor, Command Window) and scripting
- Connectivity
- Data movement
- Security
- Backup and recovery
- Maintenance
- Concurrency and locking
- Troubleshooting

Workshop: DB2 DBA & Application Development (Continued)

Day 2

- Stored Procedures, UDFs, Triggers
- SQL, XML, xpath, xquery
- Application development using Java
- Application development using PHP
- Application development using Ruby on Rails