

Agenda for RAD Certification Workshop

IBM Certified Associate Developer (Test – 255)

Day-1 (10:00 AM – 5:00 PM)

About IBM Academic Initiative (10:00 AM – 10:30 AM)

Workbench Basics (10:30 AM – 12:00 AM)

- A. Set Workbench preferences
- B. Work with perspectives and views
- C. Use the import and export wizards
- D. Use the Help feature to aid in development activities
- E. Use the Local History to compare and replace resources
- F. Manage workspaces

Lab-1) Installation and workbench lab (12:00 AM – 1:00 PM)

----- Lunch Break (1:00 PM – 2:00 PM) -----

Java Development (2:00 PM – 3:30 PM)

- A. Create Java projects packages, classes, and methods
- B. Manage the Java Build Path
- C. Use the Outline view
- D. Use the refactoring features
- E. Use the Java editor features such as content assist and code formatting
- F. Add and organize import declarations
- G. Use the Java search function
- H. Use the Task and Problems views
- I. Use the Hierarchy view
- J. Use the resource and project property dialogues

Lab-2) Java development lab (3:30 PM – 5:00 PM)

Day-2 (10:00 AM – 5:00 PM)

Test/Quiz for Day-1 sessions (10:00 AM – 11:00 AM)

Web Development – Basic (11:00 AM – 12:00 AM)

- A. Create dynamic and static Web projects
- B. Understand classpath and module dependencies
- C. Use Page Designer to add and modify HTML, JavaScript, and JSP content
- D. Configure Web project properties
- E. Create and configure Servlets

Running Applications (12:00 AM – 1:00 PM)

- A. Use WebSphere Application Server V6 to run J2EE applications
- B. Create and configure data sources
- C. Add and remove projects from the server
- D. Run stand-alone Java applications
- E. Locate and view WebSphere application server logs

----- Lunch Break (1:00 PM – 2:00 PM) -----

Lab-3) – Web application development Part-I lab (2:00 PM – 3:30 PM)

Databases (3:30 PM – 4:15 PM)

- A. Create a database connection
- B. Use the SQL Statement wizard
- C. Sample contents of a database table

Lab-4) – Work with Databases (4:15 PM – 5:00 PM)**Day-3 (10:00 AM – 5:00 PM)****Test/Quiz for Day-2 sessions (10:00 AM – 11:00 AM)****Web Development – Advance (11:00 AM – 12:00 PM)**

- F. Understand the available Struts development tools
- G. Understand the available JSF (JavaServer Faces) development tools

Lab-5a) Web application development Part-II lab (12:00 PM – 1:00 PM)

----- Lunch Break (1:00 PM – 2:00 PM) -----

Lab-5b) Web application development Part-III lab (2:00 PM – 3:00 PM)**Packaging and Deployment (3:00 PM – 4:00 PM)**

- A. Create J2EE projects
- B. Import and export J2EE modules
- C. Create and locate resources in the appropriate location of the project hierarchy
- D. Work with Web and Application Deployment Descriptor Editors

Lab-6) Packaging & Deployment lab (4:00 PM – 5:00 PM)**Day-4 (10:00 AM – 5:00 PM)****Test/Quiz for Day-3 sessions (10:00 AM – 11:00 AM)****Debugging Web Application (11:00 AM – 12:00 AM)**

- A. Perform JSP debugging
- B. Use step-by-step debugging

Lab-7a) Web Application Debugging Lab (12:00 AM – 1:00 PM)

----- Lunch Break (1:00 PM – 2:00 PM) -----

Test Web Application (2:00 PM – 3:00 AM)

- C. Perform unit testing using JUnit
- D. Perform Web Application testing

Lab-7b) Test Web Application (3:00 PM – 4:00 PM)**Test/Quiz for Day-4 sessions (4:00 PM – 5:00 PM)****Day-5 (10:00 AM – 6:00 PM)****Main certification Exam (10:00 AM – 6:00 PM)**