

Course Name	DB2 Database Programming (LUW)
Course code	IMDB2PFIN
Course Duration	50 Hours
About Technology	<p>Information Management software offers you end-to-end capabilities to manage data and content, pull together information from diverse sources, and gain valuable insights to optimize business processes.</p> <p>At the core of IBM's software solution for information management is a powerful family of relational database management system (RDBMS) servers, which provides the right capabilities to manage data and support operational and analytic applications. The integrated data management portfolio provides a modular environment to design, develop, deploy, operate, optimize, and govern data, databases, and data-driven applications. IBM also provides a unified, powerful data warehousing and business intelligence software that gathers, manages, and analyzes data.</p>
About Course	This course enables you to acquire the skills necessary to produce application programs that manipulate DB2 databases. Emphasis is on embedding Structured Query Language (SQL) statements and preparing programs for execution.
Target Audience	<p>Application programmers who need to write embedded SQL programs in COBOL or PL/I (on z/OS) or in C language (on Linux, UNIX, and Windows).</p> <p>Students of:</p> <ul style="list-style-type: none">– CS/IT/ ECE/EEE – 2nd / 3rd Year– MCA – 1st Year– BCA/ BSC – 2nd year
Pre-requisites	Prior to attending this course, the students who have taken a relational database course. Students are expected to already be able to construct and use SQL statements.
Contents	<p>After completing this course, you should be able to:</p> <ul style="list-style-type: none">• Incorporate static SQL statements in an application program• Prepare the program for execution• Validate execution results are correct• Produce code to support multiple rows being returned from the database manager using cursors• Identify considerations regarding units of work, concurrency, and restart of programs• Identify differences between static and dynamic SQL• Provide test data for applications• Discuss program and DB2 options relative to performance of static SQL
Applicable Certification	IBM Certified Application Developer - DB2 9.7 for Linux, Unix and Windows Test 000-543 - DB2 9.7 Application Development
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