Training: Microsoft

DP-800T00: Develop AI-enabled database solutions

Microsoft Partner

TRAINING GOALS:

This course provides students with the knowledge and skills to design and develop AI enabled database solutions across Microsoft SQL platforms, including SQL Server, Azure SQL, and SQL databases in Microsoft Fabric. It is intended for professionals who build modern data solutions that integrate structured and semi structured data and incorporate AI features into scalable enterprise applications.

Audience Profile:
The audience for this course is data professionals who want to learn about designing and developing AI-enabled database solutions across Microsoft's SQL platforms, including SQL Server, Azure SQL, and SQL databases in Microsoft Fabric.

CONSPECT:

- Design and develop database solutions
  - Module 1: Design and implement database objects with SQL
  - Module 2: Implement programmability objects with SQL
  - Module 3: Write advanced T-SQL code
  - Module 4: Implement SQL solutions by using AI-assisted tools
- Secure, optimize, and deploy database solutions
  - Module 1: Implement data security and compliance with SQL
  - Module 2: Optimize database performance
  - Module 3: Automate database deployments with CI/CD
  - Module 4: Integrate SQL solutions with Azure services
- Implement AI capabilities in database solutions
  - Module 1: Design and implement models and embeddings with SQL
  - Module 2: Design and implement intelligent search with SQL
  - Module 3: Design and implement RAG with SQL

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REQUIREMENTS:

Experience writing T-SQL queries, basic understanding of database concepts (tables, joins, transactions), familiarity with SQL Server, Azure SQL Database, or SQL databases in Microsoft Fabric. General understanding of AI concepts.

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

This course will help prepare you for the **Microsoft Certified: SQL AI Developer Associate** certification exam (Exam DP-800), which is available through the Pearson VUE test centers.

TRAINER:

Microsoft Certified Trainer (MCT)

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