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LINQ,Entity Framework

By [A1Training\(PT\)](#)

Course Name	LINQ,Entity Framework
Category	Microsoft Technologies
Mode Of Classes	Online/Offline
Demo Classes	At Your Convenience
Training Methodology	20% Theory & 80% Practical
Course Duration	30-35 Hours
Class Availability	Weekdays & Weekends

For Demo Class

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Why A1Training?

- Training by highly experienced and certified professionals
- No slideshow (PPT) training, fully Hand-on training
- Interactive session with interview QA's
- Real-time projects scenarios & Certification Help
- Most competitive & affordable course fees
- Placement support for all courses
- List of established & satisfied clients & students ([Visit our website for reviews](#)).



LINQ Training Outline

Language Extensions

- Implicitly typed variables
- Extension methods
- Object initialization syntax
- Anonymous types
- Lambda expressions

Introduction to LINQ

- LINQ expressions
- Using via extension methods
- Filtering
- Sorting
- Aggregation
- Skip and Take operators
- Joins

Deferred Execution

- Benefits and drawbacks
- IEnumerable vs IQueryable
- Using across tiers

Data Projection

- Single result value
- Existing types
- Anonymous types
- Grouping

LINQ to XML

- New XML classes
- Generating XML
- Querying XML
- Using data projection
- Combining with XPath

LINQ to SQL

- Attributes and mapping
- Creating a DataContext
- Deferred loading
- Saving changes
- Inserts and deletes
- Transactions
- Concurrency
- Handling exceptions

LINQ to Entities

- ADO.NET Entity Framework
- Differences from LINQ to SQL
- Available providers
- Defining an Entity Data Model (EDM)
- Database-first vs. Model-first
- Object Services
- Change tracking
- Using EntityClient
- Using stored procedures
- Plain-Old CLR Object support (POCO) [.NET 4.0 only]
- N-tier and service-based applications