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Course

Discussion

Progress

Querying with Transact-SQL

Resume Course



Welcome to **Querying with Transact- SQL**. We're very excited to have you join us to learn Transact-SQL, which is a fundamental skill for anyone who needs to work with databases and data. We hope you have an enriching and engaging learning experience.

To get started, view the **Course** page and read through the brief overview pages in

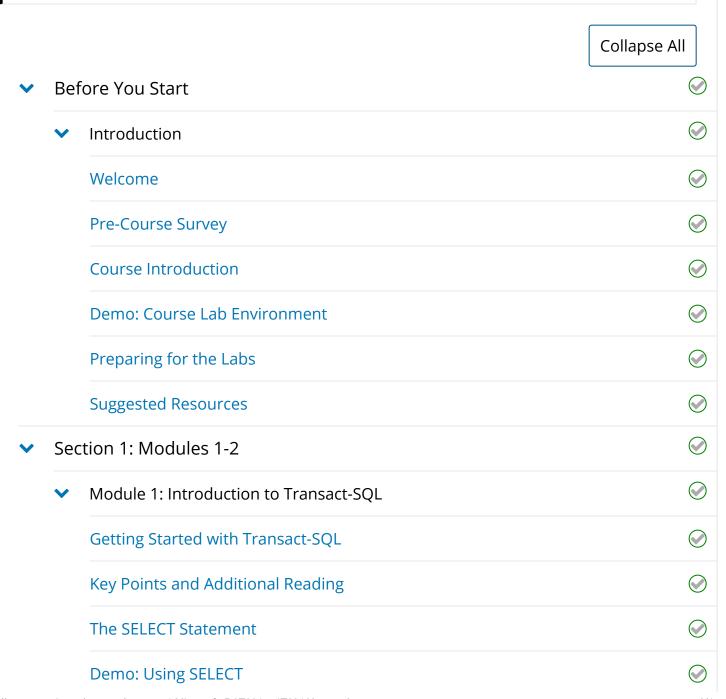
the **Before You Start** section so you can become oriented to the course structure, the schedule, and how things will work in this course. As always, we welcome your feedback so if something is confusing or doesn't work the way you expect, let us know and we'll do our best to address it. We ask that you use the feedback discussion board to introduce yourself and let us know how you're doing

The course is designed for self-paced study of around 4-5 hours per week for four weeks, including lecture, further reading, hands-on labs, and assessments. After the four weeks of lecture content, you should plan to spend a fifth week completing your assignments and the final exam. All coursework must be submitted before the course end date, which is displayed on the **Home** page.

Module assessments account for 50% of the total grade, and the final exam accounts for the remaining 50%. You must achieve an overall score of 70% to pass the course. You can check your progress on the **Progress** page and if you have registered for a

verified certificate, when you have achieved a passing grade you can click the **Request Certificate** button to receive your certificate. After you request a certificate, your grade at the time you requested the certificate will appear on your dashboard, and will not update automatically to reflect any additional progress in the course. If you wish to update the grade on your dashboard, you can request your certificate again, as many times as you wish. Note, however, that this is only for your convenience; your grade will not be reflected on your certificate, so additional progress will have no effect on the certificate itself. If you would like to learn more, you can read the edX documentation for on-demand certificates for additional details.

Again, welcome and thanks for taking this course from Microsoft.



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	Working with Data Types	\bigcirc
	Demo: Working with Data Types	\bigcirc
	Key Points and Additional Reading	\bigcirc
	Working with NULLs	\bigcirc
	Demo: Working with NULLs	\bigcirc
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		Lab 2: Querying Tables with SELECT	•
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	Key Points and Additional Reading
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	INTERSECT and EXCEPT Queries
	Demo: Creating INTERSECT and EXCEPT Queries
	Key Points and Additional Reading

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	Logical Functions
	Window Functions
	Aggregate Functions
	Key Points and Additional Reading
	Grouping Aggregated Data
	Filtering Groups
	Key Points and Additional Reading
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Lab 5: Using Functions	and Aggregating Data
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Lab Solution

 Review: Using Functions and Aggregating Data Homework

Module Review

Question 1

Question 2

Question 3

- Section 3: Modules 6-8
 - Module 6: Using Subqueries and APPLY

Introduction to Subqueries

Demo: Using Subqueries

Key Points and Additional Reading

Correlated Subqueries

Demo: Using Correlated Subqueries

Key Points and Additional Reading

The APPLY Operator

Demo: Using Apply

Key Points and Additional Reading

Summary

Lab: Using Subqueries and APPLY

Lab 6: Using Subqueries and APPLY

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Review: Using Subqueries and APPLY

Homework

Module Review

Question 1

Question 2

Question 3

Module 7: Using Table Expressions

Table Expressions Overview

Querying Views

Key Points and Additional Reading

Using Temporary Tables and Table Variables

Key Points and Additional Reading

Querying Table-Valued Functions

Key Points and Additional Reading

Using Derived Tables

Using Common Table Expressions

Key Points and Additional Reading

Summary

▼ Lab: Using Table Expressions

Lab 7: Using Table Expressions

Lab Solution

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~	Sec	tion 4: Modules 9-11
	~	Module 9: Modifying Data
		Overview of Modifying Data
		Inserting Data into Tables
		Demo: Inserting Data
		Key Points and Additional Reading
		Updating and Deleting Data
		Demo: Updating and Deleting Data
		Key Points and Additional Reading
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		Lab 9: Modifying Data
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Module 10: Programming with Transact-SQL

Transact-SQL Programming Fundamentals						
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Comments						
Variables						
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Conditional Branching						
Key Points and Additional Reading						
Looping						
Key Points and Additional Reading						
Stored Procedures						
Key Points and Additional Reading						
Summary						
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Lab 10: Programming with Transact-SQL						
Lab Solution						
Review: Programming with Transact-SQL Homework						
Module Review						
Question 1						
Question 2						
Question 3						
Module 11: Error Handling and Transactions						

	Errors and Transactions Overview
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	Raising Errors
	Demo: Raising Errors
	Key Points and Additional Reading
	Catching and Handling Errors
	Demo: Catching and Handling Errors
	Key Points and Additional Reading
	Transactions
	Demo: Implementing Transactions
	Key Points and Additional Reading
	Summary
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	Lab 11: Error Handling and Transactions
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	Module Review
	Question 1
	Question 2
	Question 3

~	Final Exam Final Exam
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	Question 18
	Question 19

Question 20

Question 21

Course Wrap-Up

Course Wrap-Up

Post-Course Survey

Post-Course Survey

Course Tools

■ Bookmarks

Updates

Important Course Dates

Course End

2 years ago - Jul 1, 2016

This course is archived, which means you can review course content but it is no longer active.

Today is Dec 27, 2018 13:11 IST

Course Handouts

- Course Syllabus
- Getting Started
- AdventureWorksLT ER Diagram

All lab files as well as the slides and demo files presented in this course are available in the external GitHub repository for this course.



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