* Course Overview
* Introduction
* A Quick SQL Server Recap
  + Relational Database Management System(RDBMS)
* What Is a Stored Procedure
  + Piece of code the performs a set of actions or queries against the database
  + Stored in database
  + Write code once and run many times
  + Simplify and enhance security
  + More efficient code
  + Stored procedure shouldn’t
    - Return lots of result sets often
    - Do not use cursors
* Installing SQL Server and Sett..
  + Download the developer version of sql server
  + Download sql server management studio
  + Download the class files
  + Open ’00 Apply.sql’
  + In sql server management studio
    - Click ‘Query’
    - Click ‘SQLCMD Mode’
  + Set the ‘setvar path’ to class files
  + Execute ’00-Apply.sql’
  + To create a diagram of the database
    - Click on the ‘database’
    - Right click on ‘Database diagram’
    - Click ‘New Database diagram’
    - Right click on the open page and add the tables
    - Then close the dialogue to see the diagram
* Stored Procedure T-SQL State…
  + There are 3 T-SQL statements to manage store procedures
    - CREATE PROCEDURE
    - ALTER PROCEDURE
    - DROP PROCEDURE
  + Create procedure template
    - CREATE PROCEDURE <name of procedure>
    - (Parameters (optional))
    - AS
    - BEGIN;
    - [Statements here…]
    - END;
  + Store procedure must be unique in the same directory
  + Alter procedure is used to alter existing stored procedures
    - ALTER PROCEDURE <name of procedure>
    - (Parameters (optional))
    - AS
    - BEGIN;
    - [statements]
    - END;
  + Developers tend to drop procedures and create a new one
  + Drop procedure is used to remove existing stored procedures
    - DROP PROCEDURE [IF EXISTS] <name of procedure>;
* Creating a Stored Procedure
  + Example
    - USE Contacts;
    - GO
    - CREATE PROCEDURE dbo.SelectContacts
    - AS
    - BEGIN;
    - SELECT \* FROM dbo.Contacts;
    - END;
  + Since CREATE PROCEDURE needs to be the first line, use GO inbetween the two sql statements
  + To run the store procedure
    - EXEC dbo.SelectContacts;
* Managing Procedures Using S…
  + Store procedures are stored in the ‘Programmability’ folder
  + Example of drop procedure
    - DROP PROCEDURE IF EXISTS dbo.SelectContacts;
  + Before the [IF EXISTS] was introduced
    - IF EXISTS(SELECT 1 FROM sys.procedures WHERE [name] = ‘SelectContacts’;
    - BEGIN;
    - DROP PROCEDURE dbo.SelectContacts;
    - END;
* Summary
* Introduction
* The Business Requirement