Developing SQL Databases

Lab 2 – Implementing Tables

Overview

In this lab, you will create schemas and tables in the **AdventureWorksLT** database.

Before starting this lab, you should view **Module 2 – Designing and Implementing Tables** in the course *Developing SQL Databases*. Then, if you have not already done so, follow the instructions in the **Getting Started** document for this course to set up the lab environment.

If you find some of the challenges difficult, don't worry – you can find suggested solutions for all of the challenges in the **Lab Solution** folder for this module.

What You'll Need

To complete the labs, you will need the following:

- An Azure SQL Database instance with the AdventureWorksLT sample database. Review the Getting Started document for information about how to provision this.
- The lab files for this course

Challenge 1: Create a Schema

In this exercise, you will create a schema in your database.

Create a Schema

1. Using SQL Server Management Studio, connect to the AdventureWorksLT database.
2. Write and execute a query to create the DirectMarketing schema and set the authorization to the dbo user.

Challenge 2: Create Tables

You need to create tables that you have already designed. You should use appropriate nullability for each column and each table should have a primary key. At this point, there is no need to create CHECK or FOREIGN KEY constraints.

Create the Competitor Table

1. Write and execute a query to create the **Competitor** table to meet the design in **Schema Design for Marketing Development Tables.docx** in the **Setup** folder.
2. In Object Explorer, verify that the new table exists.

Create the TVAdvertisement Table

1. Write and execute a query to create the **TVAdvertisement** table to meet the design in **Schema Design for Marketing Development Tables.docx** in the **Setup** folder.
2. In Object Explorer, verify that the new table exists.

Create the CampaignResponse Table

1. Write and execute a query to create the **CampaignResponse** table to meet the design in **Schema Design for Marketing Development Tables.docx** in the **Setup** folder.
2. Refresh Object Explorer and verify that the new table exists.
3. Review the **Computed text** property of the **ResponseProfit** column.
4. Close SQL Server Management Studio without saving changes.