

# Assignment 3 – ETL for Simple Dimension Tables

## Spring 2022

The due date for the assignment 3 is **2/18/2022 (midnight)**. It must be submitted through the “Assignment 3 – ETL for Simple Dimension Tables” in Assignment Submission Folder provided in the D2L. It is important that you specify your name in the SQL Server Integration Service DTSX file and Word document. The attachment name should follow the following convention:

BUSA532\_ASSIGNMENT3\_FIRSTNAME\_LASTNAME.DTSX.

BUSA532\_ASSIGNMENT3\_FIRSTNAME\_LASTNAME.DOCX.

### Overview:

Now that we have learned to create dimensional model for enterprise data warehouse. The next phrase is ETL process that we are going to load our data from OLTP database to our OLAP database. In this assignment, **your goal is to load data from DateKey CSV file into your Date dimension table in OLAP by using SSIS.**

### Business scenario:

Please install AdventureWorks database, read the AdventureWorks case study, and analyze the ERD OLTP schema before starting this assignment.

The CEO of AdventureWorks wants a data warehouse to keep track of sales performance. The figure below shows the date dimension table of AdventureWorks’s OLAP. **Import CSV file from D2L, then create SSIS package solution that can perform ETL process to load data into your Date dimension table (8 points), and submit the mapping document in Word file in D2L (2 points).**

DimDate		
PK	DateKey	int
	FullDate	date time
	EnglishDayName	varchar(10)
	EnglishMonthName	varchar(10)
	CalendarYear	int
	Quarter	int
	DayOfWeek	int
	IsHoliday	boolean

The following criteria will be used to grade the assignment:

- Codes are run with detail comment, accurate, and answers are correct.

\*\*\*\*\*NOTE\*\*\*\*\*

Please feel free to consult your instructor by email or phone, if you have questions or need assistance!!