TSQL Homework 02c

Chapter 02c, T-SQL Query Fundamentals

Readings

Read chapter 2, pages 73 { 93 in the T-SQL Query Fundamentals book.

Homework questions

1. List the date/time types in T-SQL.

DATETIME, SMALLDATETIME, DATE, TIME, DATETIME2, DATETIMEOFFSET

1. How do you express a date/time literal in T-SQL?

“YYYYMMDD”

1. What is the setting DATEFORMAT used for?

Whatever language setting you’re using

1. Write a T-SQL snippet changing the date format to German. Read the documentation on how to do this.

SET Language German;

Select CAST( ‘12/31/2019’)

1. What is the difference between CAST(), CONVERT(), and PARSE()?

Cast accepts 2 parameters, Convert takes 3, and Parse supports the indication of a culture

1. What function returns the current date? This is very useful in a table that maintains a log of events, such as user logins.

CURRENT\_TIMESTAMP

1. How do you add one day to the current date? Add one week? Add one month? Add one year?

Select DATEADD(day, 1, 20021231) Select DATEADD(week, 1, 20200303)

1. Write a SQL snippet to return the number of years between your birth date and today's date.

Select datediff(year, ‘YYYYMMDD’, ‘currentday’);

1. How do you check a string literal to see if it represents a valid date?

Select ISDATE fucntion

1. What does EOMONTH() do? Give an example of why this might be very useful.

Accepts an input date and time value and returns the respective end-of-month date as a DATE typed value. To have a reminder of when rent is due