

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.
2. How do you express a date/time literal in T-SQL?
3. What is the setting `DATEFORMAT` used for?
4. Write a T-SQL snippet changing the date format to German. Read the documentation on how to do this.
5. What is the difference between `CAST()`, `CONVERT()`, and `PARSE()`?
6. What function returns the current date? This is very useful in a table that maintains a log of events, such as user logins.
7. How do you add one day to the current date? Add one week? Add one month? Add one year?
8. Write a SQL snippet to return the number of years between your birth date and today's date.
9. How do you check a string literal to see if it represents a valid date?
10. What does `EOMONTH()` do? Give an example of why this might be very useful.
11. Payments are due exactly 30 days from the date of the last function. Write a select query that calculates the date of the next payment. Pretend we want to update a column in a database that contains the date of the next payment. We will do this when we write `UPDATE` queries.
12. Suppose your son or daughter wants to run a query every day that tells them the number of days until their 16th birthday. Write a select query that does this.