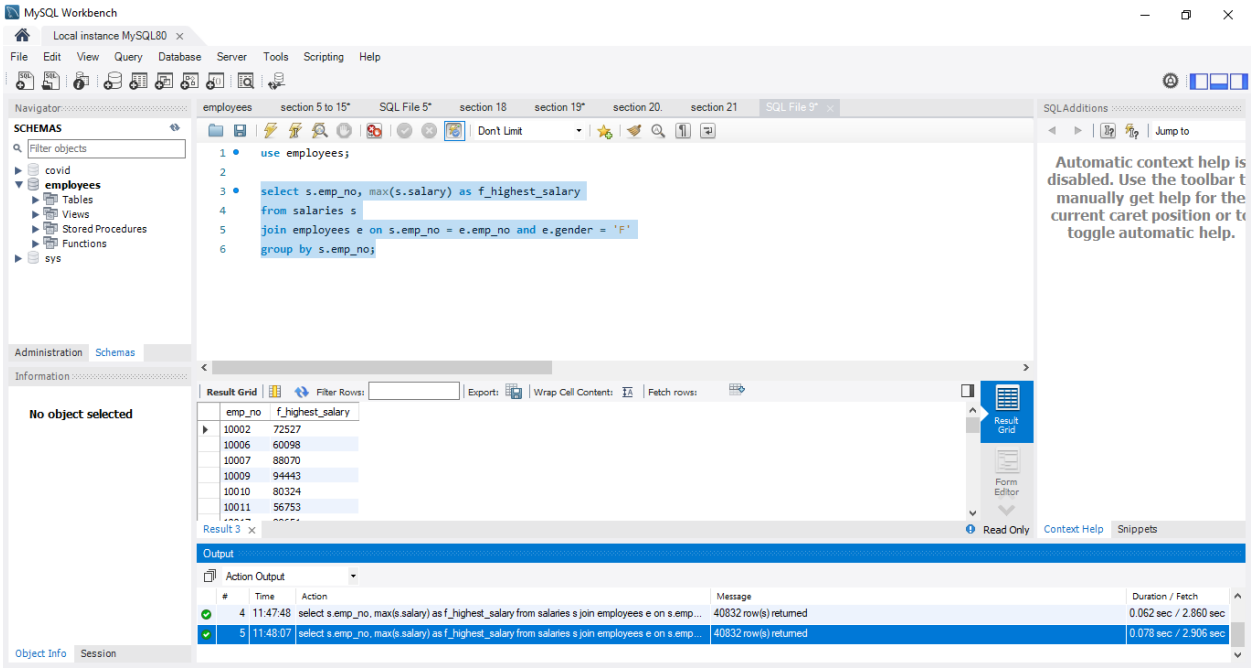
SECTION 22

In this lesson, we covered MySQL temporary tables.

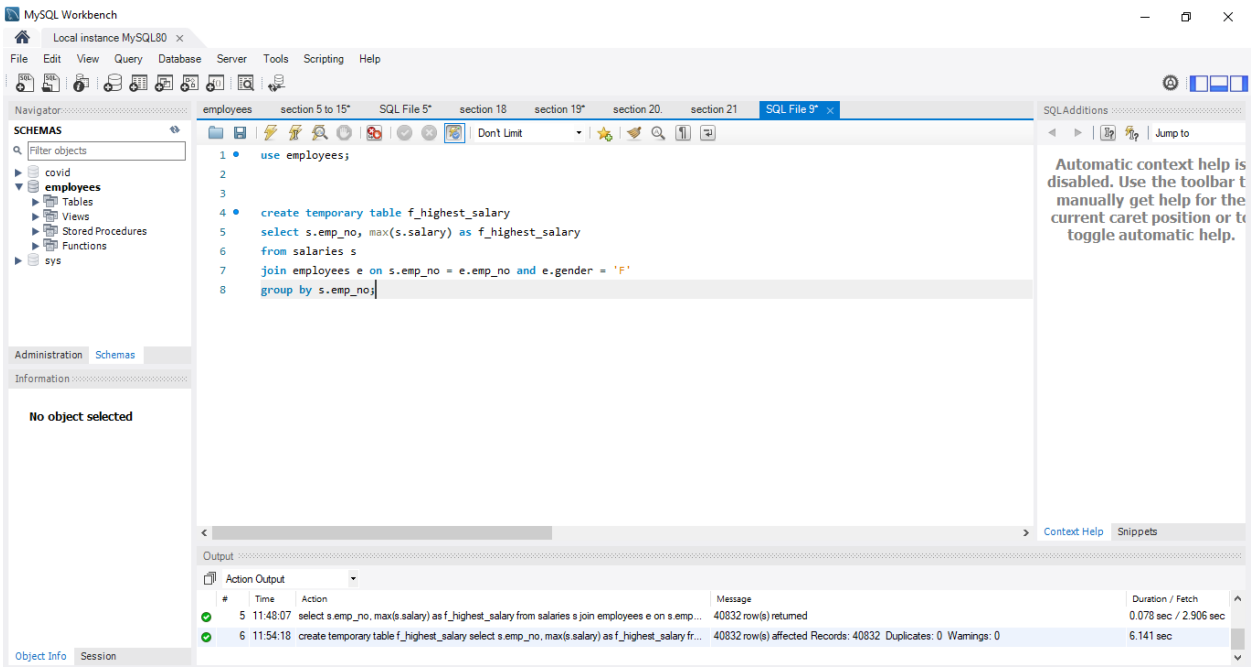
Our task is: Obtain a list containing highest salary contract values signed by all female employees who have worked in a company.

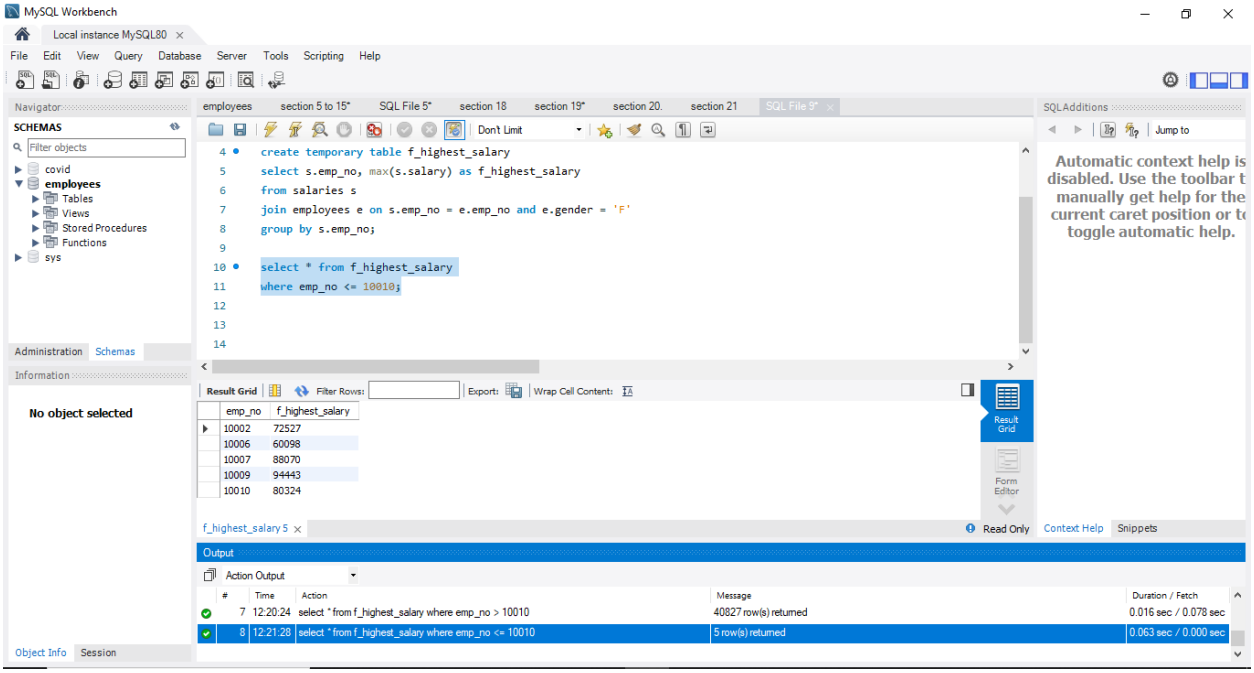
To do this:



We got 40,832 rows.

Imagine you want to refer to this list later in your session or to do any other work. In that case, we can avoid permanent salaries and employees tables. Instead, we can store the output we just obtained in our temporary table. We can create our temporary table by following the syntax:

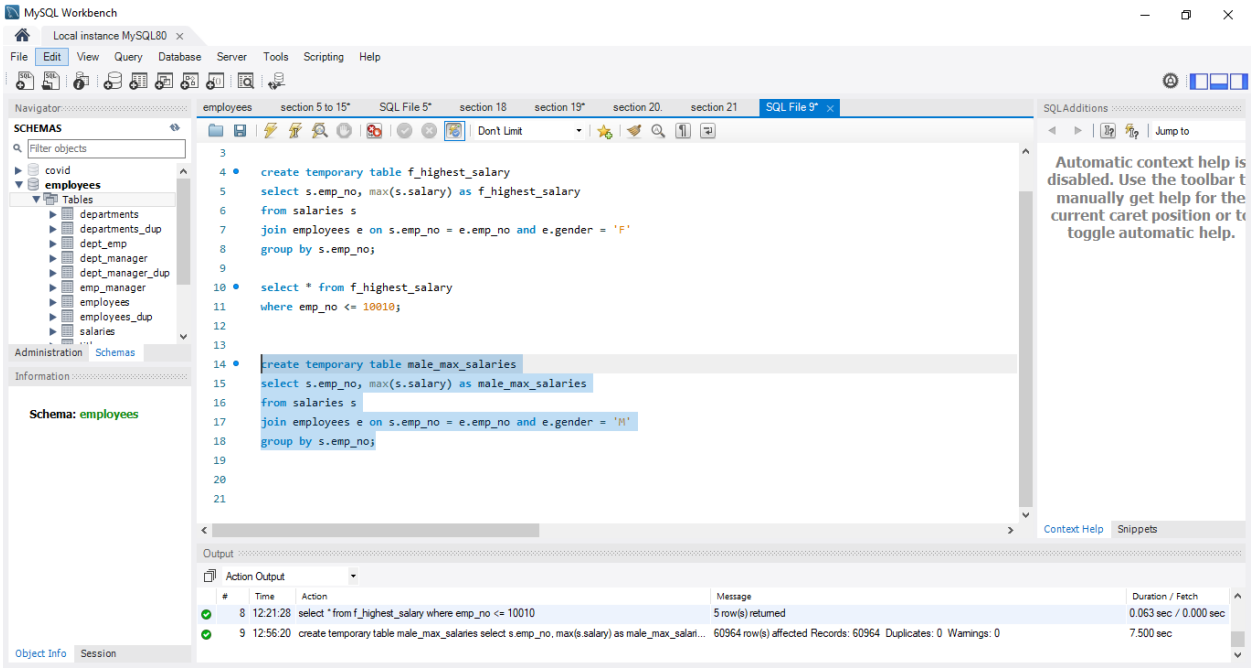




Exercise #1:

Store the highest contract salary values of all male employees in a temporary table called *male_max_salaries*.

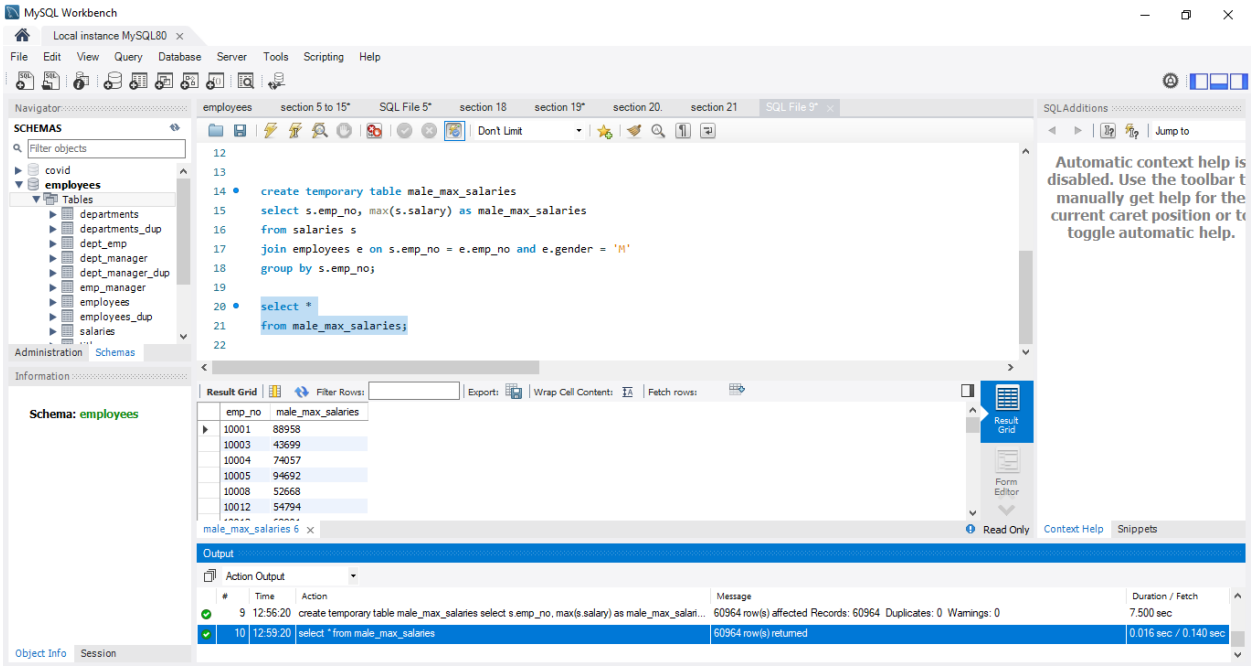
Solution:



Exercise #2:

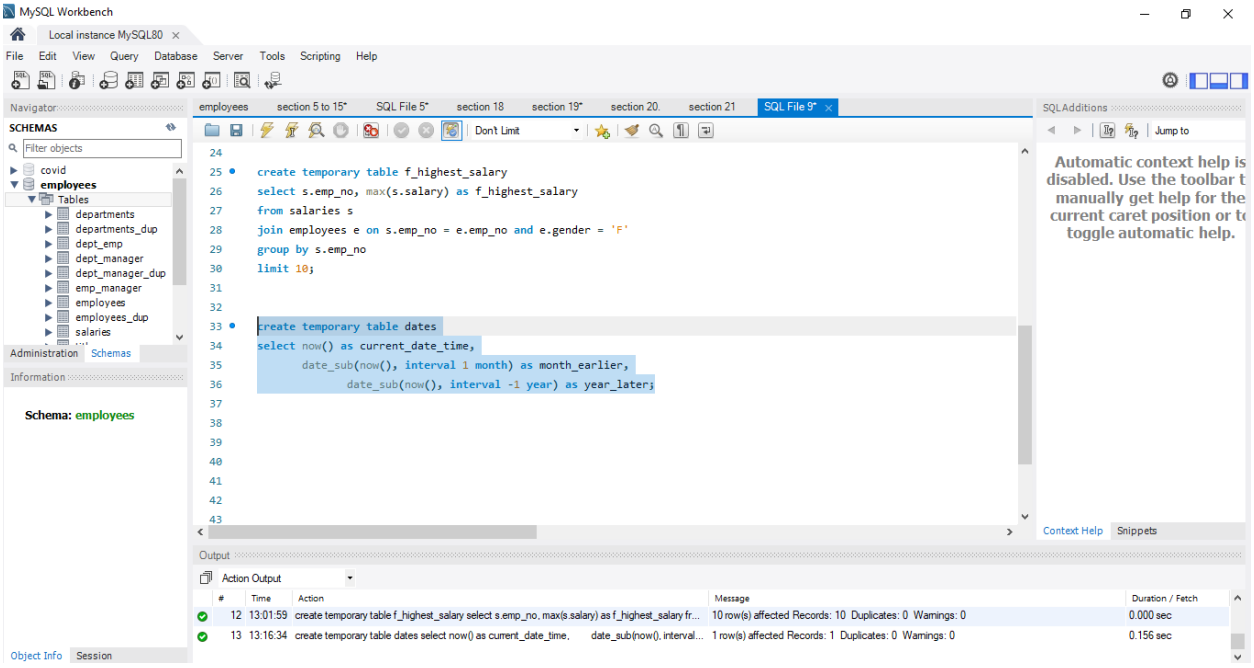
Write a query that, upon execution, allows you to check the result set contained in the *male_max_salaries* temporary table you created in the previous exercise.

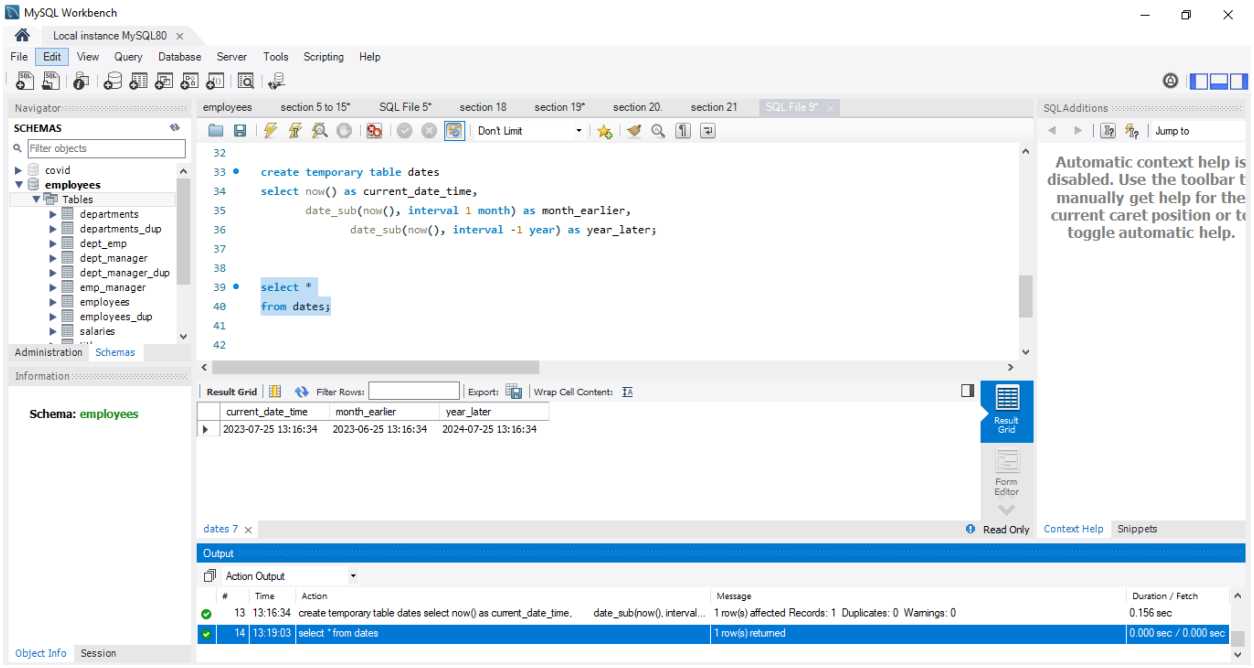
Solution:



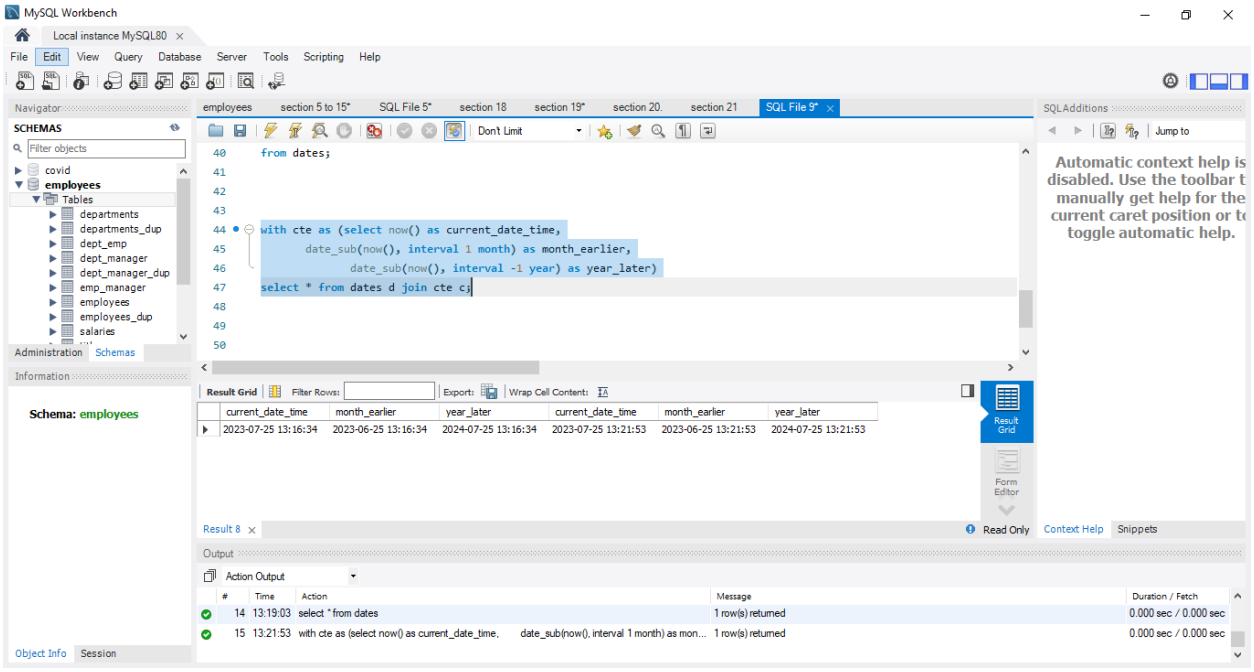
Now, let's create a temporary table called "dates", which contains the following the three datetime values:

1. The current date and time
2. A month earlier than the current date and time
3. A year later than the current date and time





We can use CTEs to invoke our temporary table more than once. That's how:



Exercise #1:

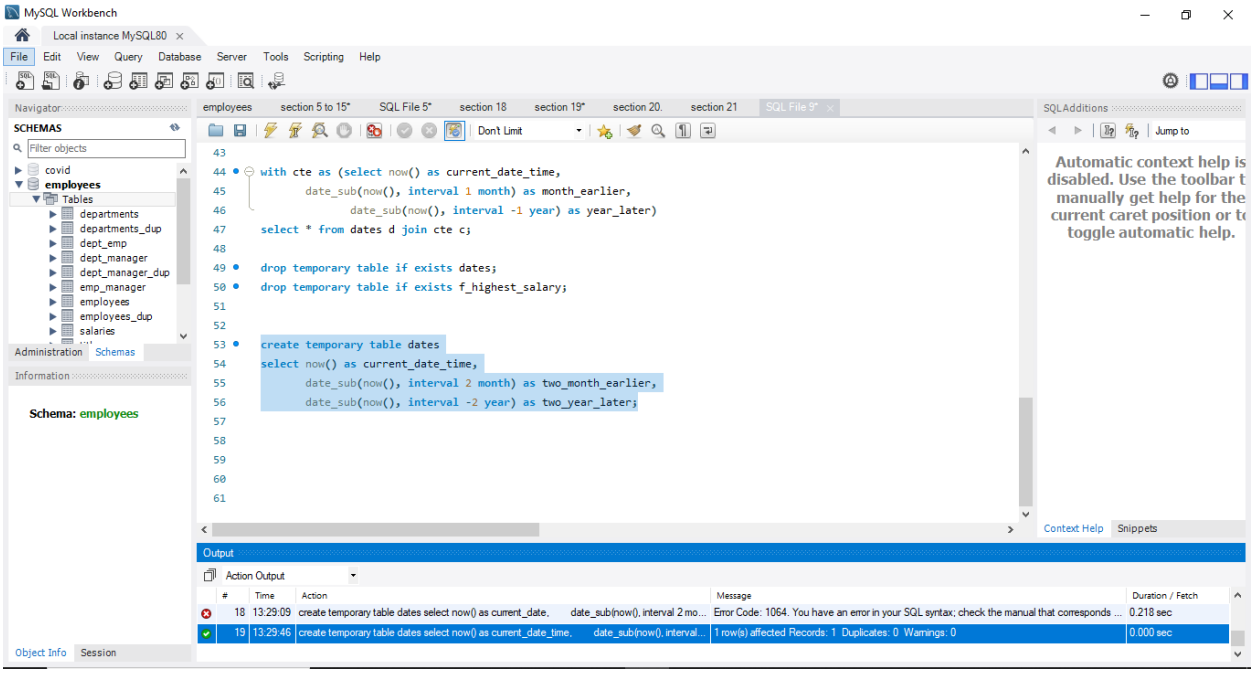
Create a temporary table called *dates* containing the following three columns:

- one displaying the current date and time,

- another one displaying two months earlier than the current date and time, and a

- third column displaying two years later than the current date and time.

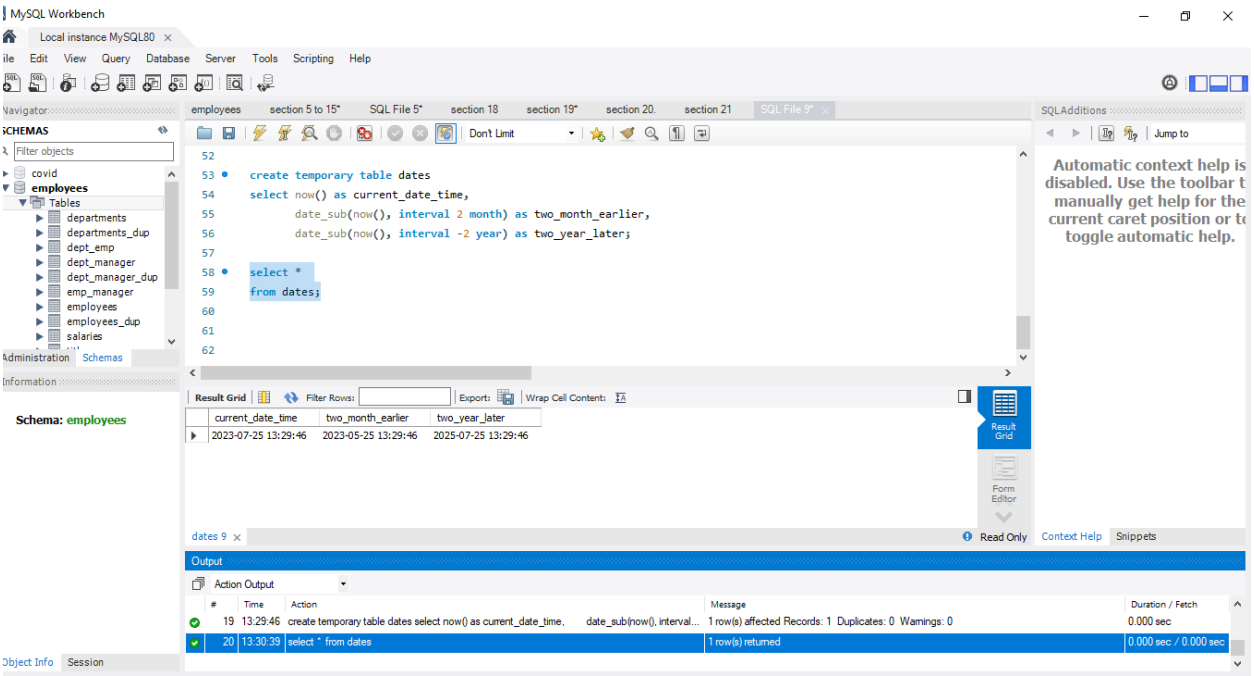
Solution:



Exercise #2:

Write a query that, upon execution, allows you to check the result set contained in the *dates* temporary table you created in the previous exercise.

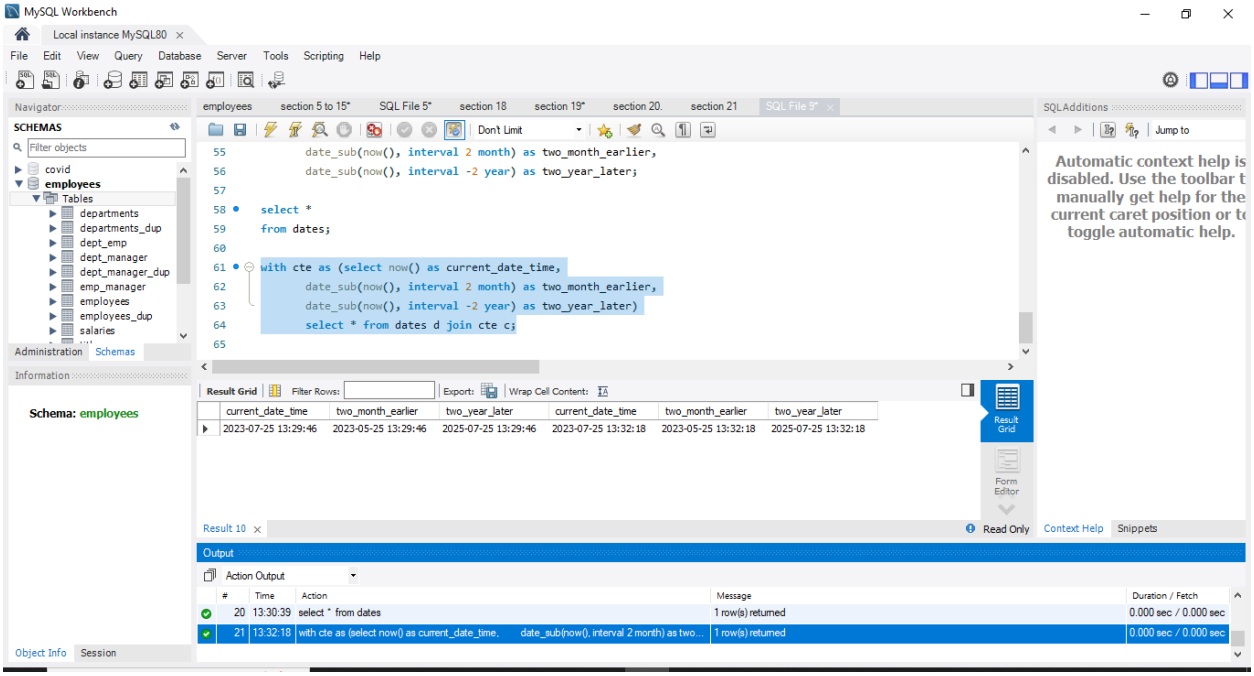
Solution:



Exercise #3:

Create a query joining the result sets from the *dates* temporary table you created during the previous lecture with a new Common Table Expression (CTE) containing the same columns. Let all columns in the result set appear on the same row.

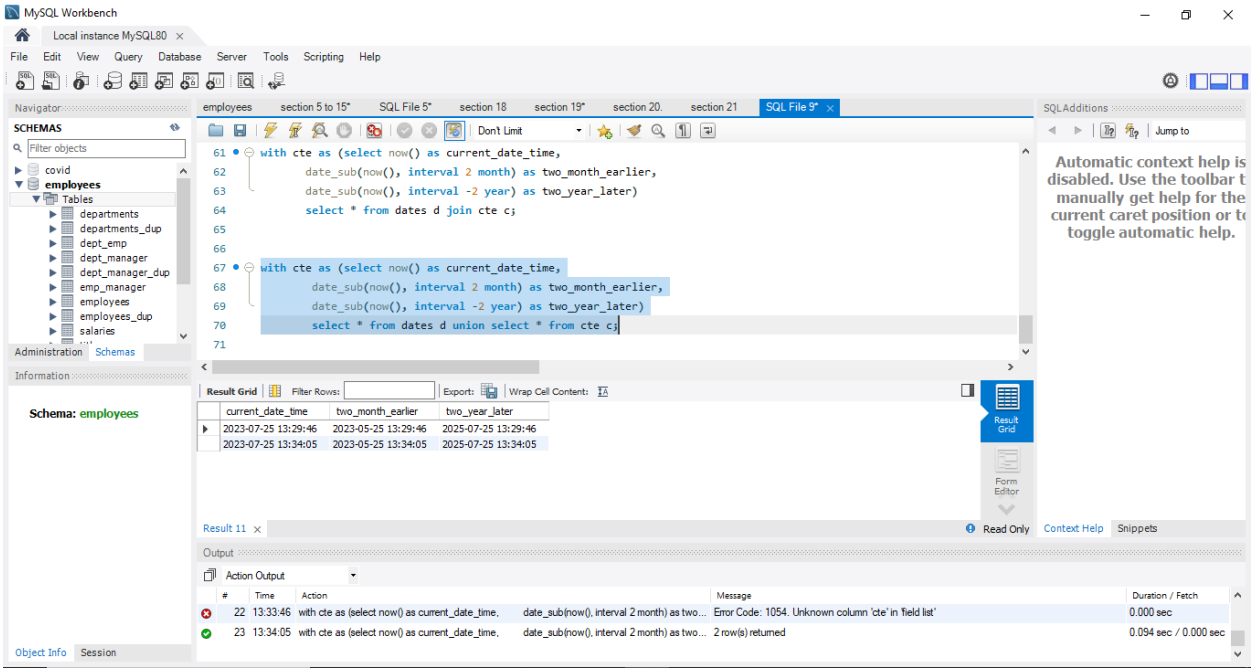
Solution:



Exercise #4:

Again, create a query joining the result sets from the *dates* temporary table you created during the previous lecture with a new Common Table Expression (CTE) containing the same columns. This time, combine the two sets vertically.

Solution:



Exercise #5:

Drop the *male_max_salaries* and *dates* temporary tables you recently created.

Solution: