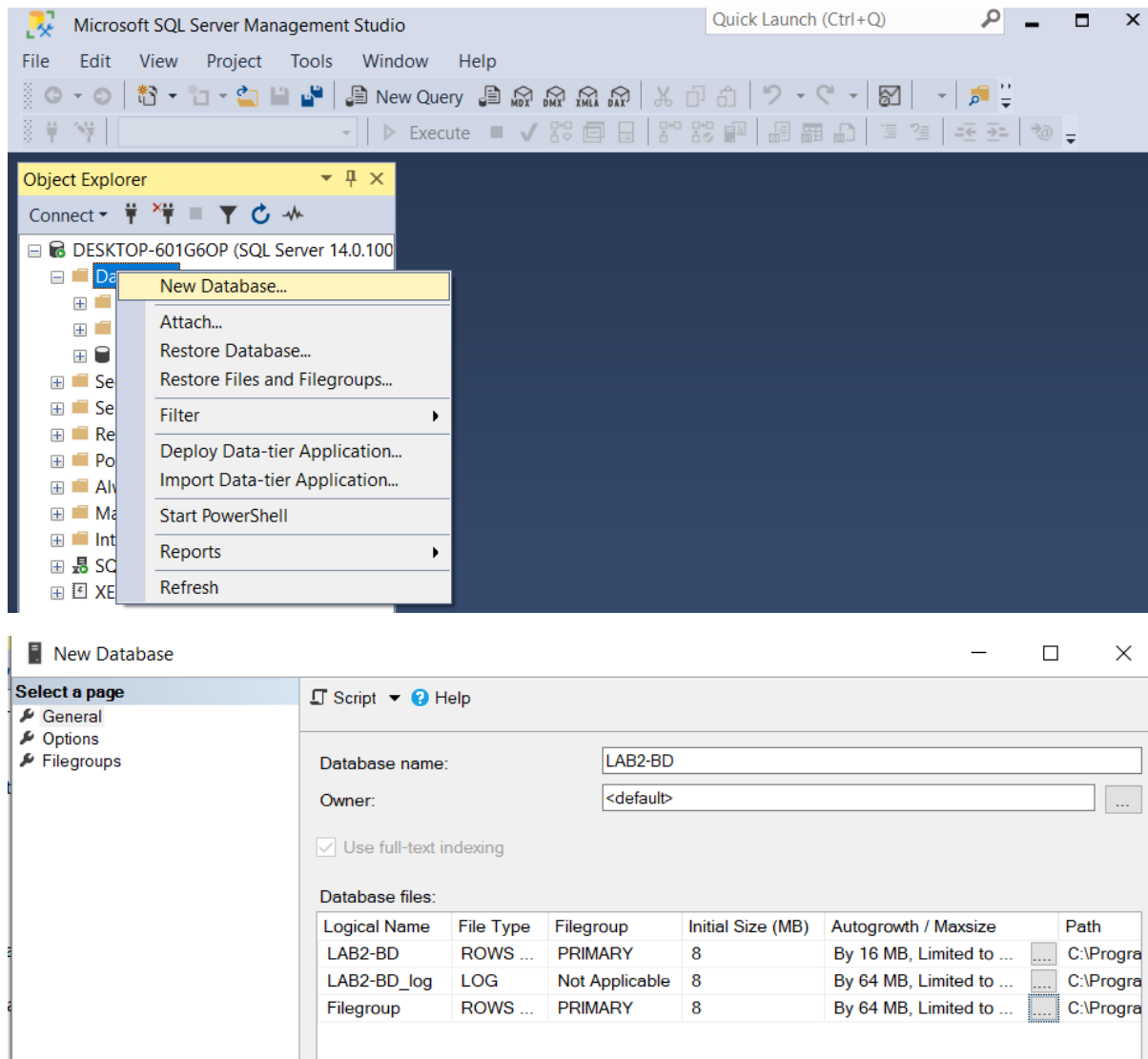


Laboratory work nr 2 : **CREAREA SI INTRETINEREA BAZEI DE DATE**

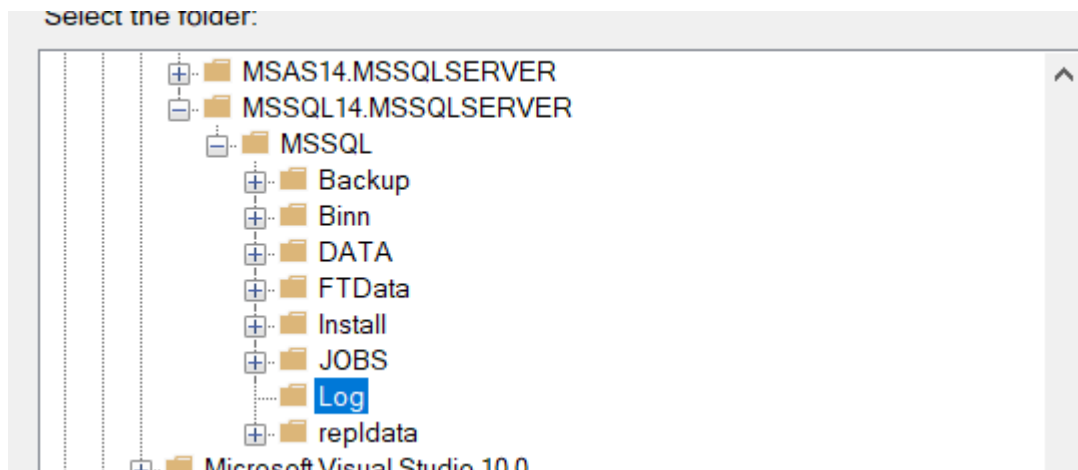
Exercise 1

Here you can see how I created the database and changed the database files memory usage.



Exercise 2

Doing this exercise I managed to set the database for a single user and do some manipulations with the .log file.



Script ▼ ? Help

Database name:

Owner: ...

☒ Use full-text indexing

Database files:

Logical N	File Name
Ex2	rogram Files\Microsoft SQL Server\MSSQL14.MSSQLSERVER\MSSQL\... ..
Ex2_log	rogram Files\Microsoft SQL Server\MSSQL14.MSSQLSERVER\MSSQL\... ..

Exercise 3

At exercise 3 I made a maintenance plan for for the database from exercise 1, also I set it to work every week on Friday at 00—00. Doing this task I managet to set my plan tasks like: Shrink database task.

New Job Schedule

Name: MaintenancePlan.Subplan_1 Jobs in Schedule

Schedule type: Recurring ☒ Enabled

One-time occurrence

Date: 20.09.2020 Time: 13:46:10

Frequency

Occurs: Weekly

Recurs every: 1 week(s) on

☐ Monday ☐ Wednesday ☒ Friday ☐ Saturday
☐ Tuesday ☐ Thursday ☐ Sunday

Daily frequency

☒ Occurs once at: 0:00:00
☐ Occurs every: 1 hour(s) Starting at: 0:00:00 Ending at: 23:59:59

Duration

Start date: 20.09.2020 ☐ End date: 20.09.2020 ☒ No end date:

Summary

Description: Occurs every week on Friday at 0:00:00. Schedule will be used starting on 20.09.2020

OK Cancel Help

Maintenance Plan Wizard

Define Database Check Integrity Task
Configure the maintenance task.

Databases: <Select one or more>

☒ Include indexes
☒ Physical Only
☐ Tablock
☐ Max Degree of Parallelism

Schedule: Not scheduled (On Demand)

☐ All databases
☐ System databases
☐ All user databases (excluding master, model, msdb, tempdb)
☒ These databases:

☐ Ex2
☒ LAB2-BD
☐ master

☐ Ignore databases where the state is not online

OK Cancel

Maintenance Plan Wizard

Select Report Options

Select options for saving or distributing a report of the maintenance plan actions.

☒ Write a report to a text file

Folder location: ...

☐ E-mail report

To:

Maintenance Plan Wizard

Define Shrink Database Task

Configure the maintenance task.

Databases:

Shrink database when it grows beyond: MB

Amount of free space to remain after shrink: %

☐ Retain freed space in database files

☒ Return freed space to operating system

Schedule:

Exercise 4

Doing this task I got familiar to some other maintenance plan's tasks.

Select Plan Properties

How do you want to schedule your maintenance tasks?



Name:

Description:

Run as:

- ☐ Separate schedules for each task
- ☒ Single schedule for the entire plan or no schedule

Schedule:

[Change...](#)[Help](#)

< Back

Next >

Finish

Cancel

Define Rebuild Index Task

Configure the maintenance task.



Databases: Specific databases ▾

Object: Tables and views ▾

Selection: ▾

Free space options

☐ Default free space per page☒ Change free space per page to: 10 %

Advanced options

☐ Sort results in ☒ Pad☐ Keep index ☐ MAXDOP 1 ▴ ▾

For index types that do not support online index rebuild

☒ Do not rebuild indexes☐ Rebuild indexes offline☐ Low Priority Used

Abort After Wait

None ▾

Max Duration

0 ▴ ▾ mins

Index Stats Options

Help

< Back

Next >

Finish >>|

Cancel

Define Update Statistics Task

Configure the maintenance task.

Databases: Specific databasesObject: Tables and viewsSelection:

Update:

- ☒ All existing statistics
☐ Column statistics only
☐ Index statistics only

Scan type:

- ☒ Full scan
☐ Sample by 50

Schedule:

Not scheduled (On Demand)Change...Help< BackNext >Finish >>|Cancel**Define History Cleanup Task**

Configure the maintenance task.



Select the historical data to delete:

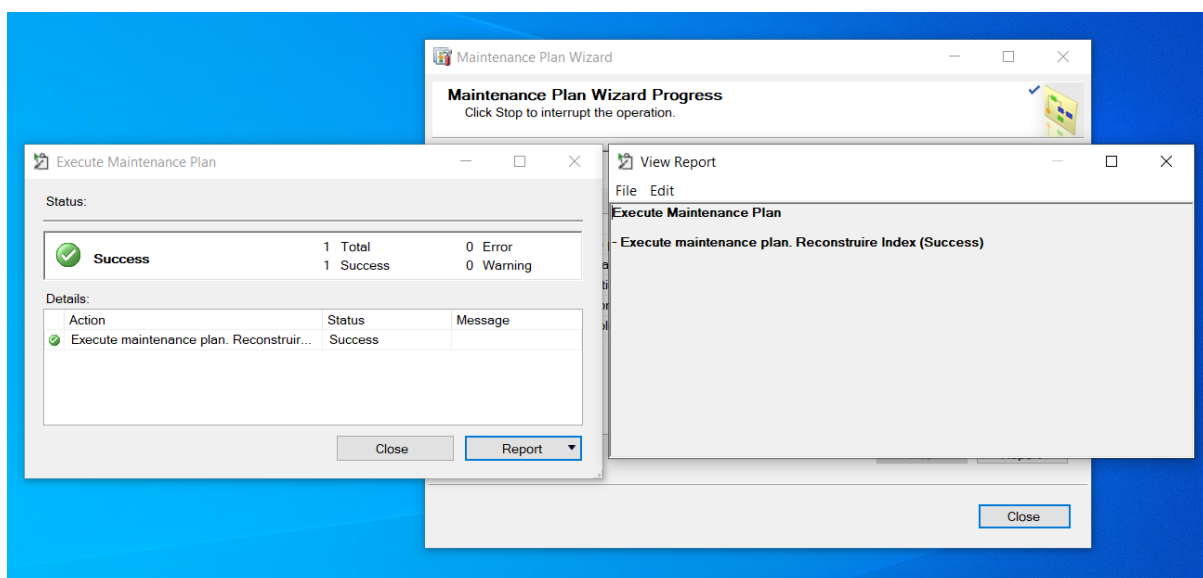
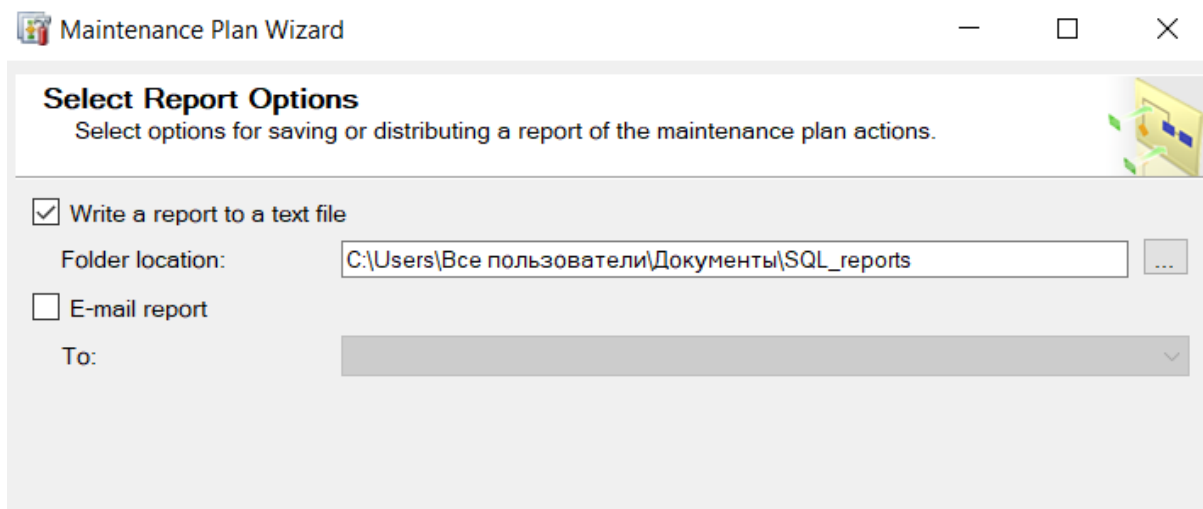
- ☒ Backup and restore history
☒ SQL Server Agent job history
☒ Maintenance plan history

Remove historical data older than:

6 Week(s)

Schedule:

Not scheduled (On Demand)Change...Help< BackNext >Finish >>|Cancel



Conclusion:

In conclusion I can say that this laboratory work helped me a lot to understand better how to create a Database and how to Maintain it. I discovered new functions working with Microsoft SQL Server.