

Databases Laboratory Work Nr 2

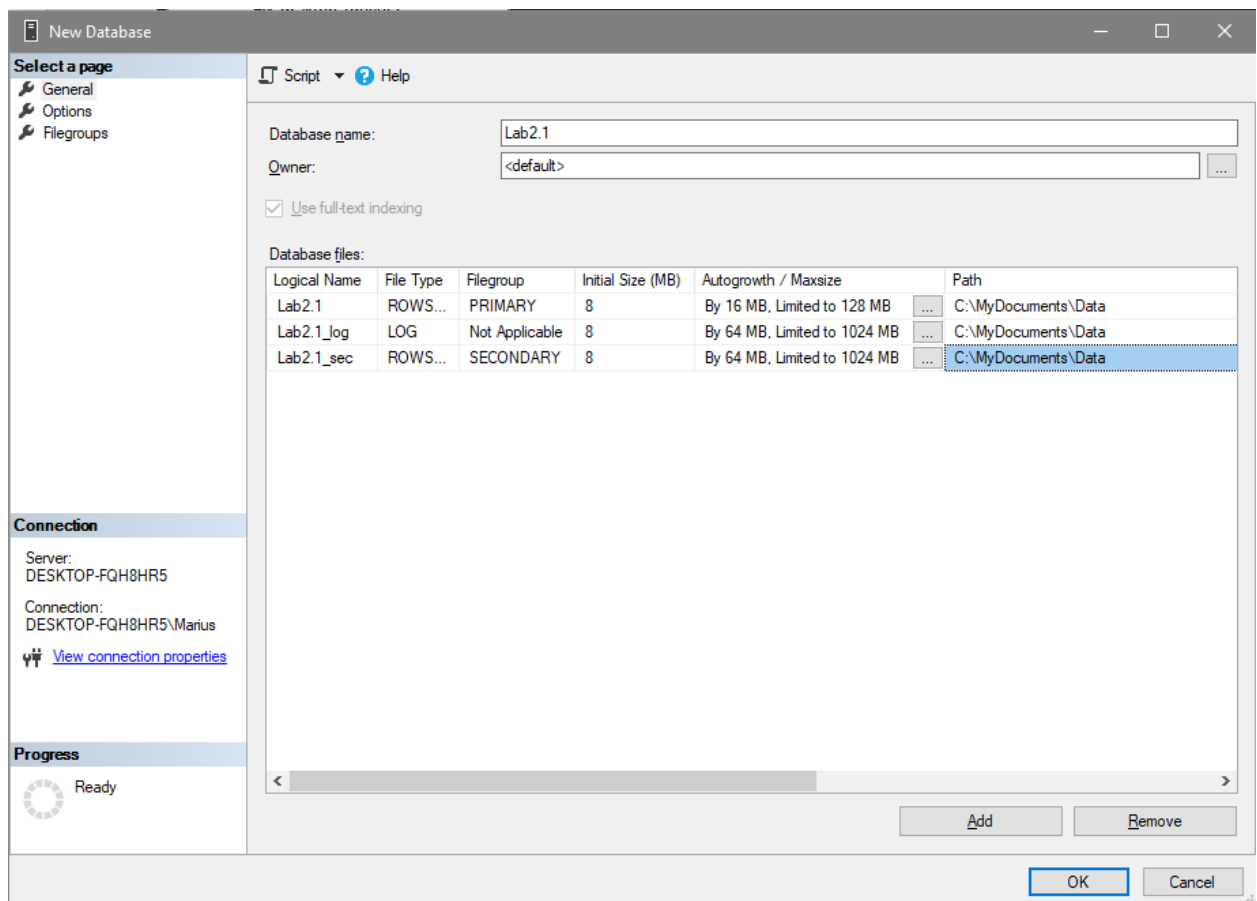
Title: Crearea si inreatinerea bazei de date

Prerequisites: SQL Server management studio

Objectives: Successful creation and configuration of an SQL Server

Tasks:

1.



2.

New Database

Select a page

- General
- Options
- Filegroups

Script ? Help

Database name: Lab2.2

Owner: <default>

☒ Use full-text indexing

Database files:

Lo	Initial Size (MB)	Autogrowth / Maxsize	Path	File Name
Lab2.2	8	By 64 MB, Unlimited	C:\MyDocuments\Data	
Lab2.2_log	8	By 64 MB, Unlimited	C:\MyDocuments\Log	L2_log

Progress: Ready

Buttons: Add, Remove

OK Cancel

New Database

Select a page

- General
- Options
- Filegroups

Script ? Help

Collation: <default>

Recovery model: Full

Compatibility level: SQL Server 2017 (140)

Containment type: None

Other options:

Delayed Durability	Disabled
Is Read Committed Snapshot On	False
Numeric Round-Absort	False
Parameterization	Simple
Quoted Identifiers Enabled	False
Recursive Triggers Enabled	False
Trustworthy	False
VarDecimal Storage Format Enabled	True
Recovery	
Page Verify	CHECKSUM
Target Recovery Time (Seconds)	60
Service Broker	
Broker Enabled	False
Honor Broker Priority	False
Service Broker Identifier	00000000-0000-0000-0000-000000000000
State	
Database Read-Only	False
Database State	NORMAL
Encryption Enabled	False
Restrict Access	SINGLE_USER

Restrict Access

Progress: Ready

Buttons: OK, Cancel

3.

Maintenance Plan Wizard

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:

Maintenance Plan Wizard

Select Maintenance Task Order
In which order should these tasks be performed?

Select the order for the tasks to execute:

 The Shrink Database task reduces the disk space consumed by the database and log files by removing empty data and log pages.

Maintenance Plan Wizard

Define Shrink Database Task

Configure the maintenance task.

Databases: Specific databases

Shrink database when it grows beyond: 2000 MB

Amount of free space to remain after shrink: 10 %

☒ Retain freed space in database files

Schedule:
Not scheduled (On Demand) Change...

Help < Back Next > Finish >> Cancel

Log file for this plan

MaintenancePlan_Subplan_1_20200920170649.txt - Notepad

```
File Edit Format View Help
Microsoft(R) Server Maintenance Utility (Unicode) Version 14.0.2027
Report was generated on "DESKTOP-FQH8HR5".
Maintenance Plan: MaintenancePlan
Duration: 00:00:00
Status: Succeeded.
Details:
Shrink Database (DESKTOP-FQH8HR5)
Shrink Database on Local server connection
Databases: Lab2.1
Limit: 2000 MB
Free space: 10 %
Task start: 2020-09-20T17:06:49.
Task end: 2020-09-20T17:06:49.
Success
Command:
GO
```

4.

Maintenance Plan Wizard

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:

Maintenance Plan Wizard

Define Rebuild Index Task

Configure the maintenance task.

Databases:

Object:

Selection:

Free space options

☐ Default free space per page

☒ Change free space per page to: %

Advanced options

☒ Sort results in tempdb ☒ Pad Index

☐ Keep index online ☐ MAXDOP

For index types that do not support online index rebuilds

Maintenance Plan Wizard

Define Update Statistics Task

Configure the maintenance task.

Databases: Specific databases

Object: Table

Selection: All

Update:

☐ All existing statistics

☐ Column statistics only

☒ Index statistics only

Scan type:

☒ Full scan

☐ Sample by 50

Maintenance Plan Wizard

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 < Back **Next >** Finish >> 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:

Help < Back Next > Finish >> Cancel

Reconstruire index_Subplan_1_20200920172204.txt - Notepad

File Edit Format View Help

Microsoft(R) Server Maintenance Utility (Unicode) Version 14.0.2027
Report was generated on "DESKTOP-FQH8HR5".
Maintenance Plan: Reconstruire index
Duration: 00:00:12
Status: Succeeded.
Details:
Rebuild Index (DESKTOP-FQH8HR5)
Rebuild index on Local server connection
Databases: Lab2.2
Object: Tables and views
10% of free space
Task start: 2020-09-20T17:21:52.
Task end: 2020-09-20T17:21:52.
Success
Command:
GO