

*Technical University of Moldova*  
*Faculty of Computers, Informatics and Microelectronics*  
*Department of Software Engineering and Automation*

## **Database Laboratory Work Nr.1**

**Title:** The installation and configuration of SQL Server 2017

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Chişinău 2019

## Prerequisites

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SQL Server Management Studio, MS SQL Server 2017

## Objectives

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This chapter addresses the installation of MS SQL Server 2017, service management and server registration, working in SQL Server Management Studio environment, as well as the administration of security and access to the database. In addition, we examine the client-server technology, the logical components of the MS SQL Server 2017 system and the management principles of sharing the access to data.

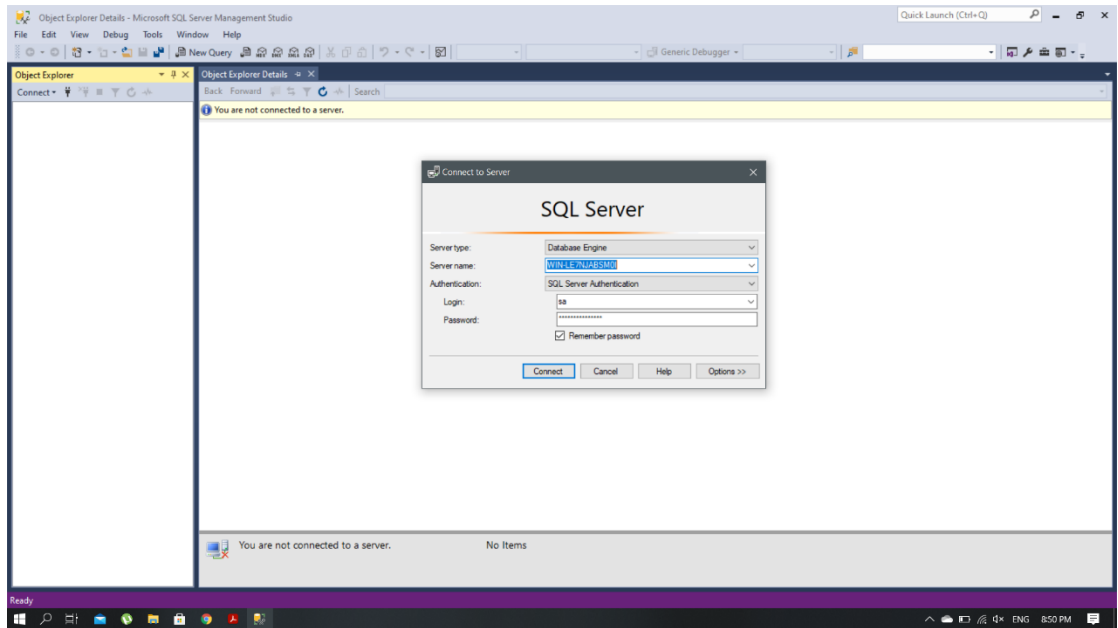
## Tasks

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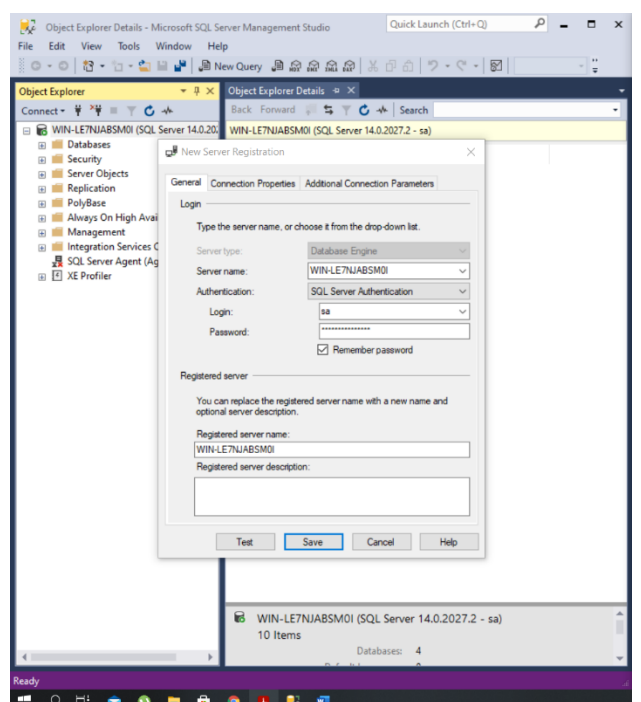
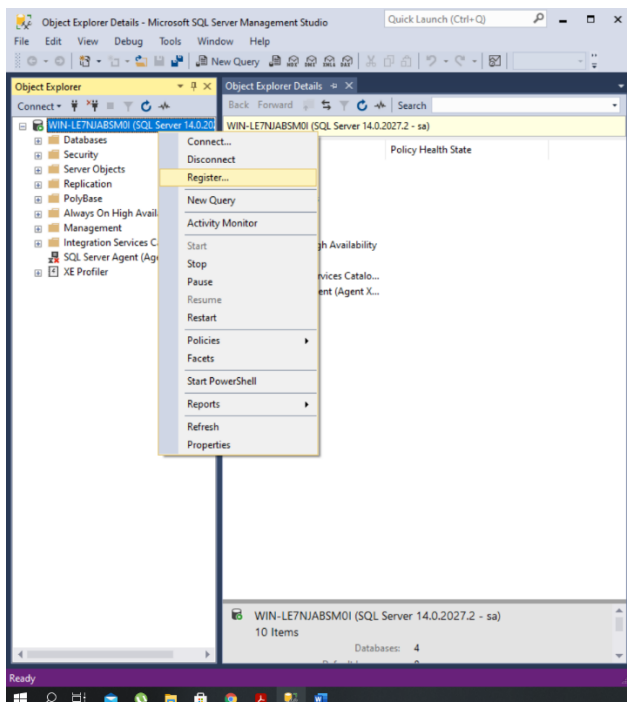
1. Install SQL Server 2017, following the procedures described above.
2. Register the server on the computer and choose the type of SQL authentication.
3. Create three user logins that have SQL Authentication.
  - a) Allocate to the first user access to the HumanResources schema from the database *AdventureWorks2017*. The given user must be able to read and edit the data in the tables of the respective scheme.
  - b) User 2 must be able to only to read the data from the Sales schema in the database *AdventureWorks2017*. At the same time, he must be able to manage any object and its contents in the *AdventureWorksDW2017* database.
  - c) User 3 must be able to create any new database and manage their access.

# Implementation

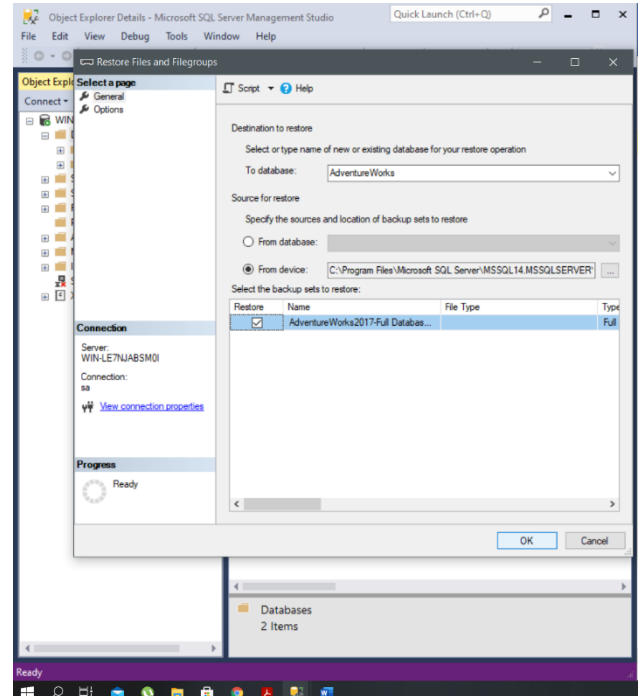
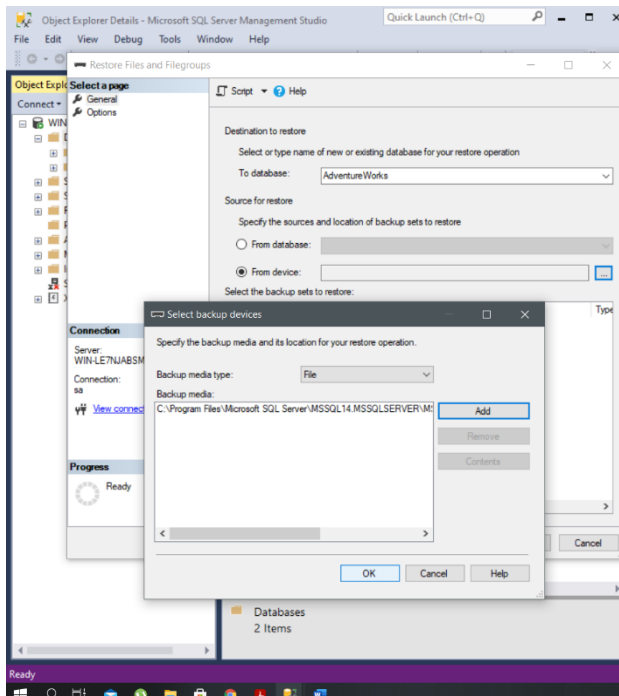
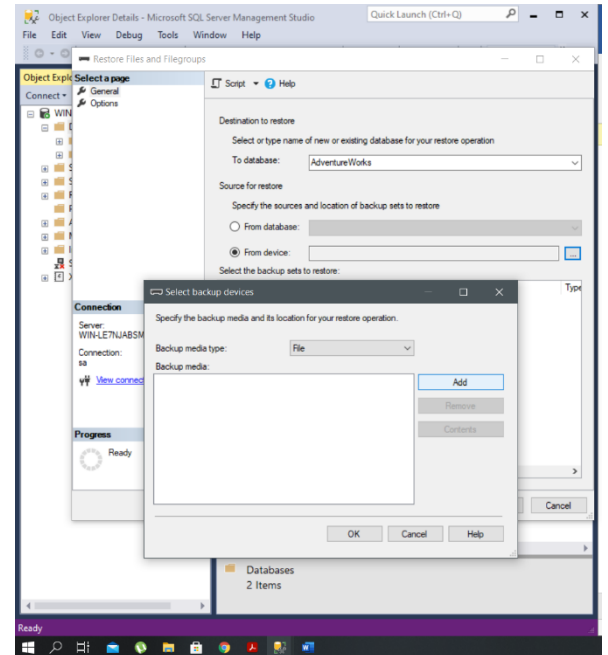
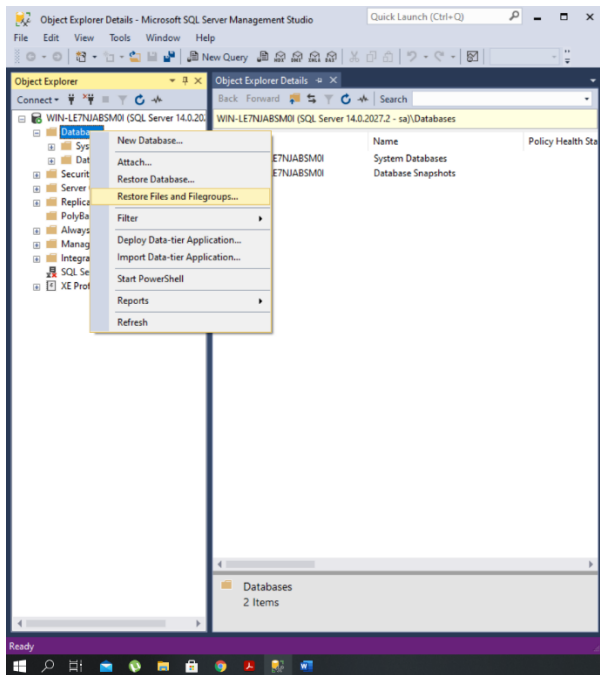
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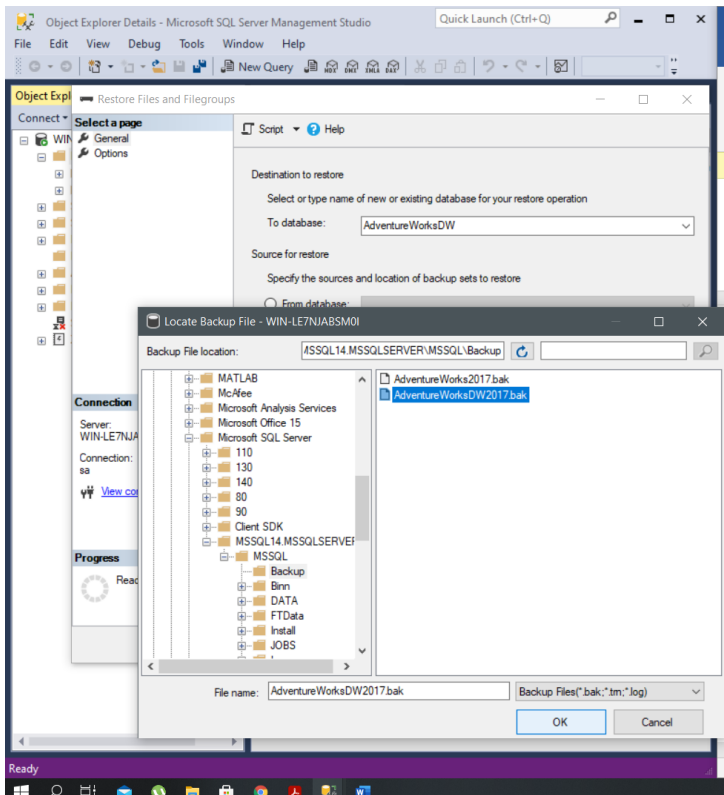
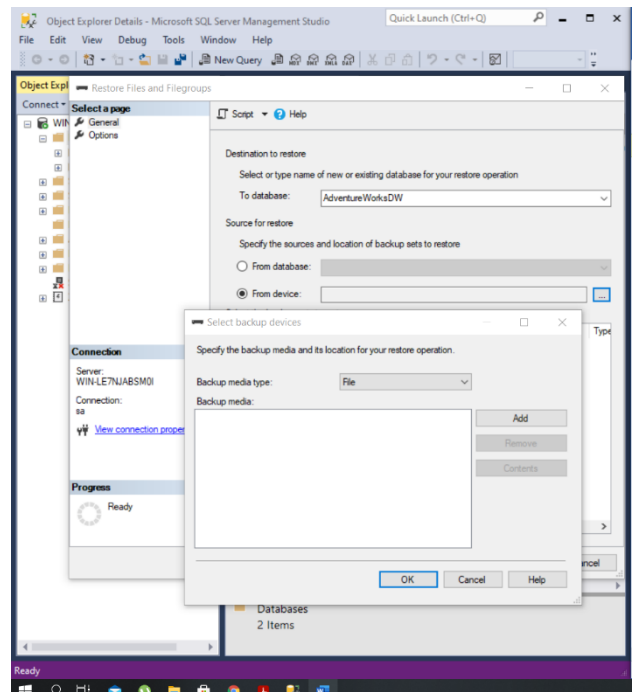
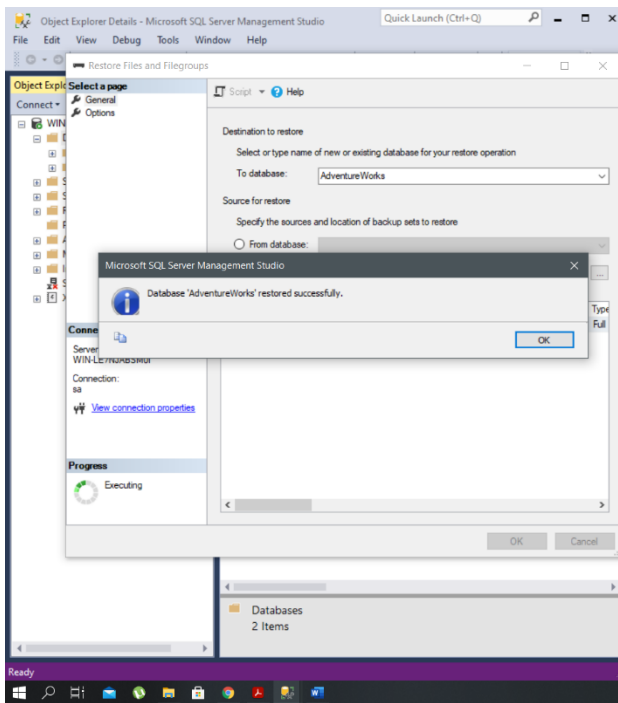


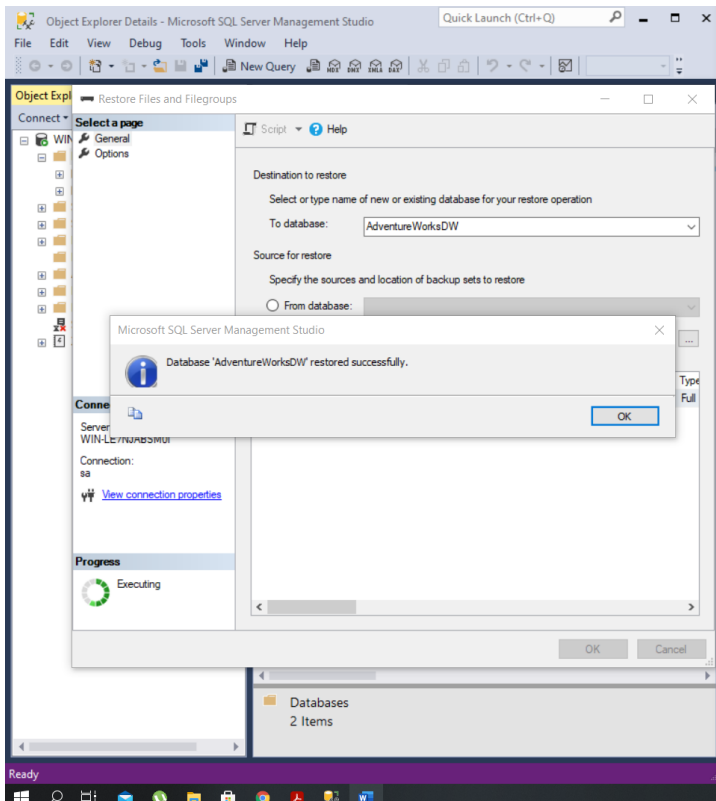
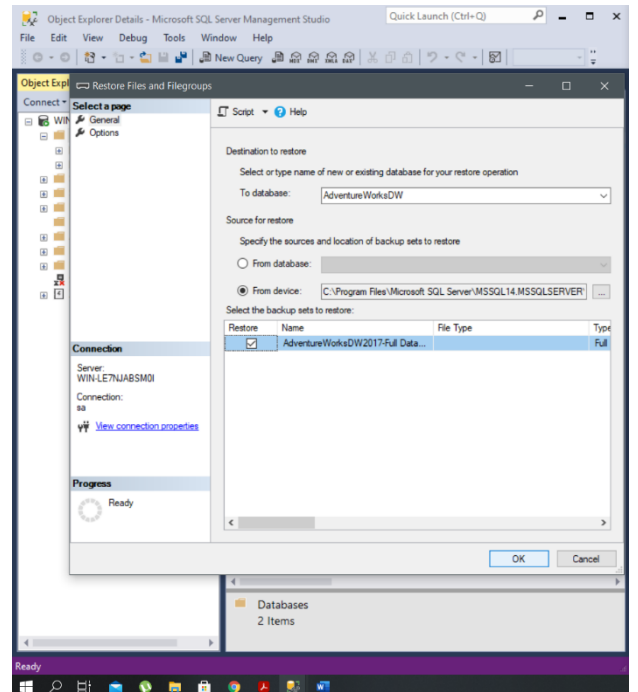
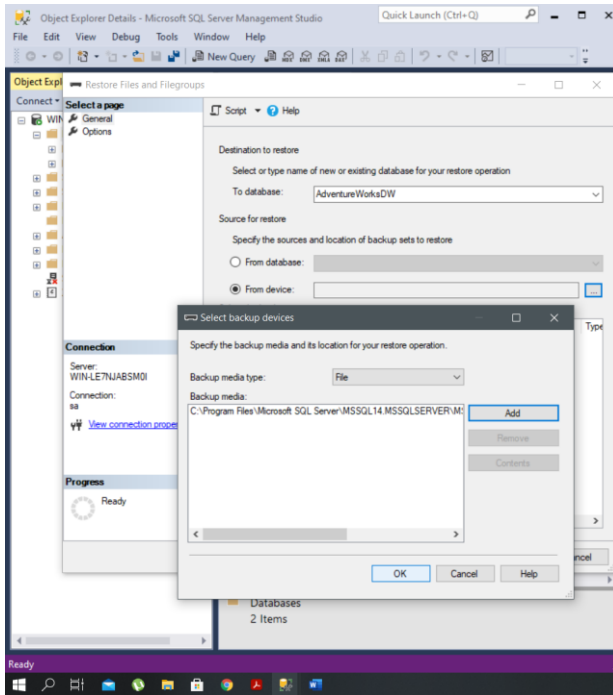
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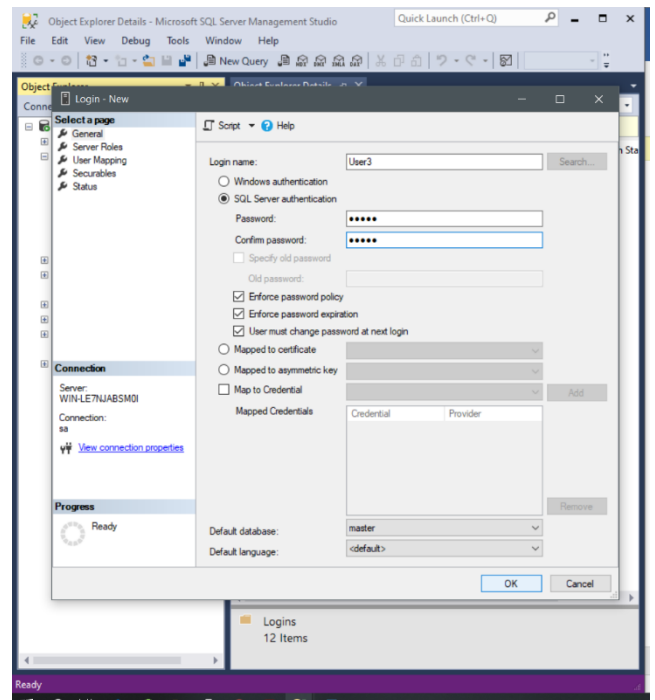
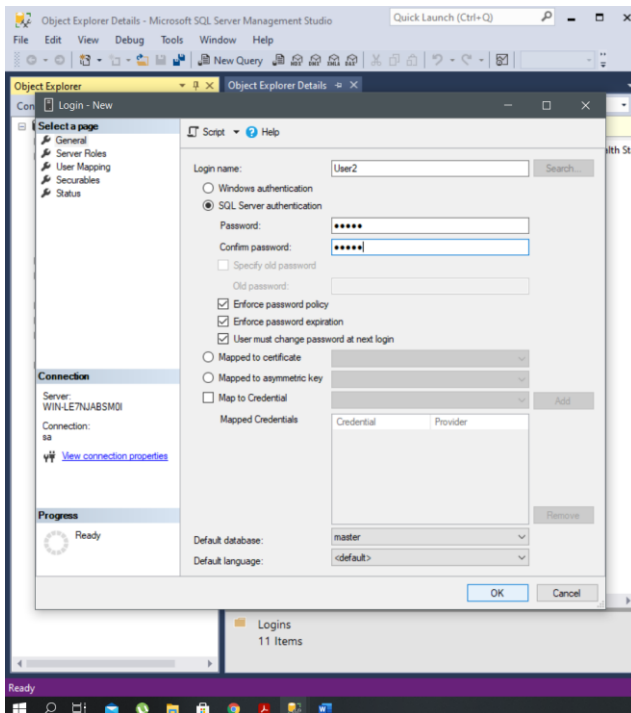
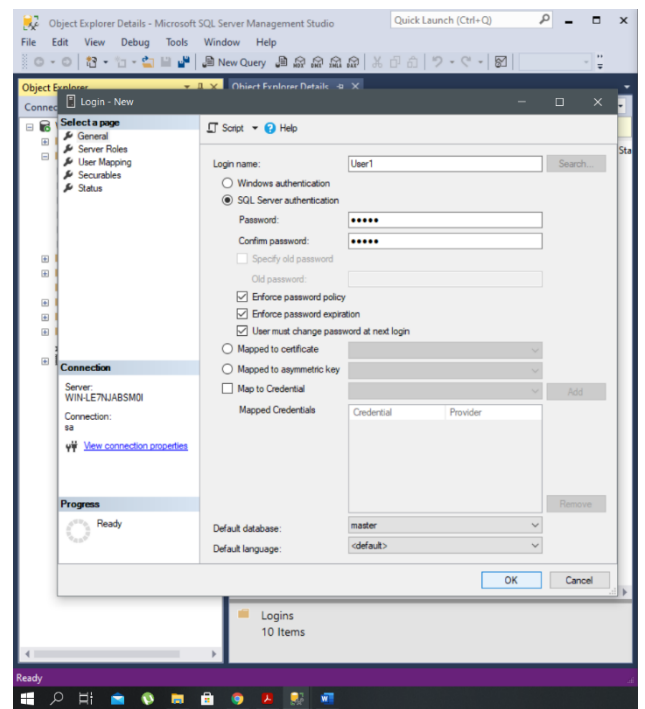
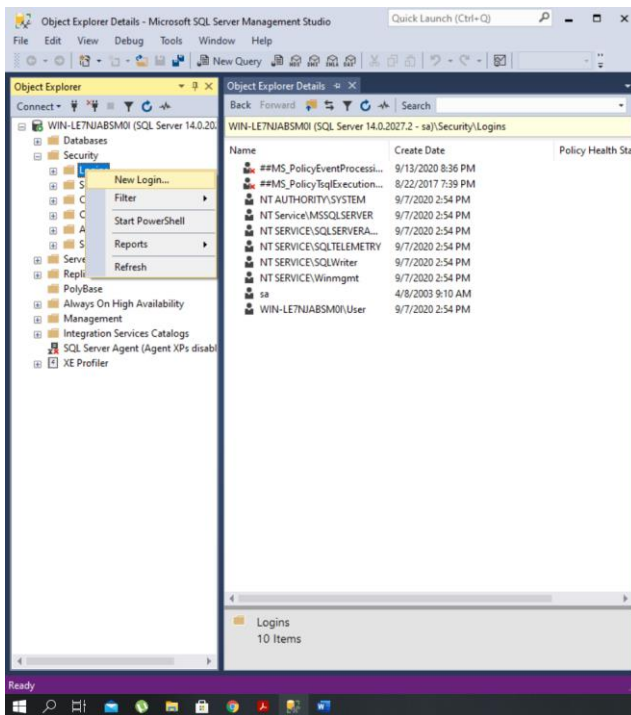


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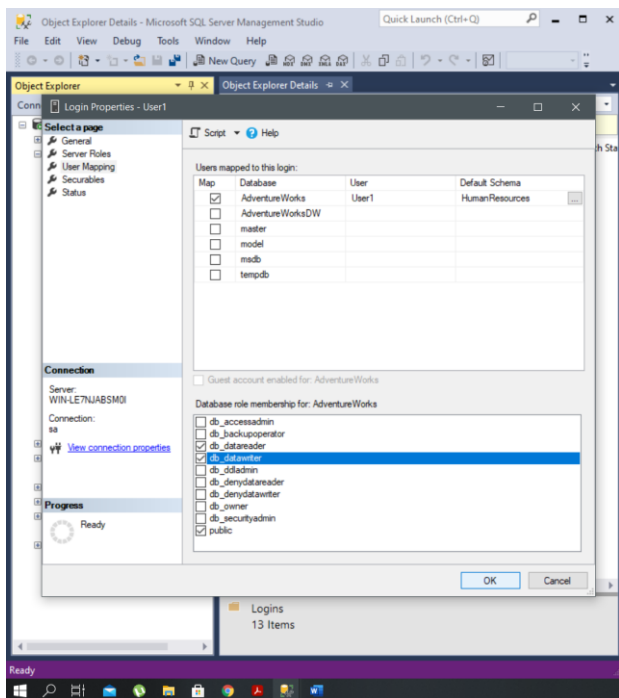
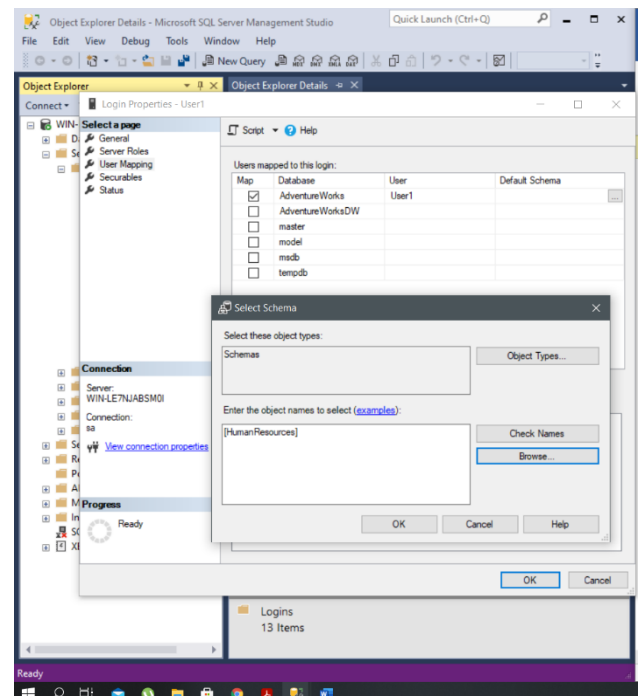
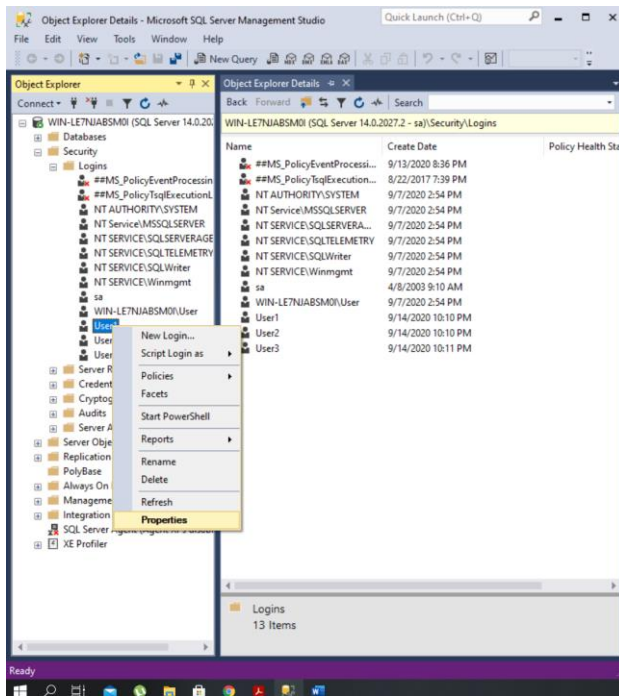






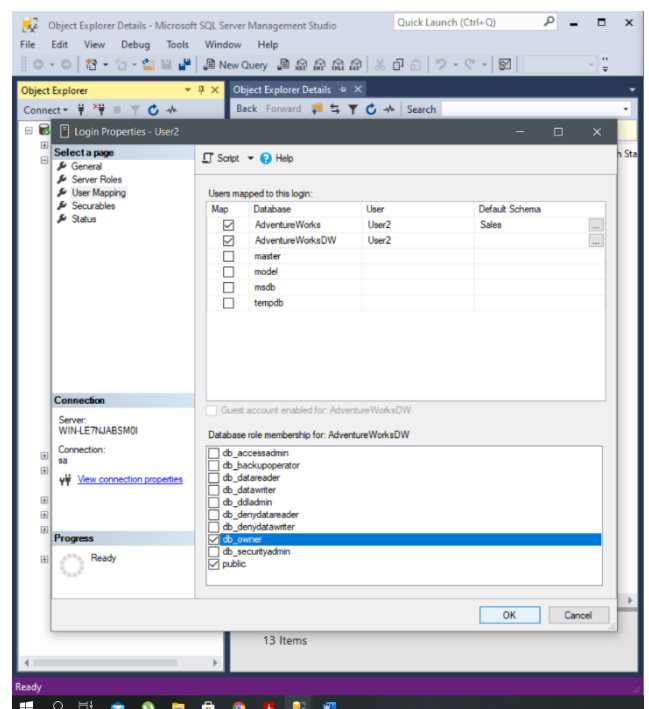
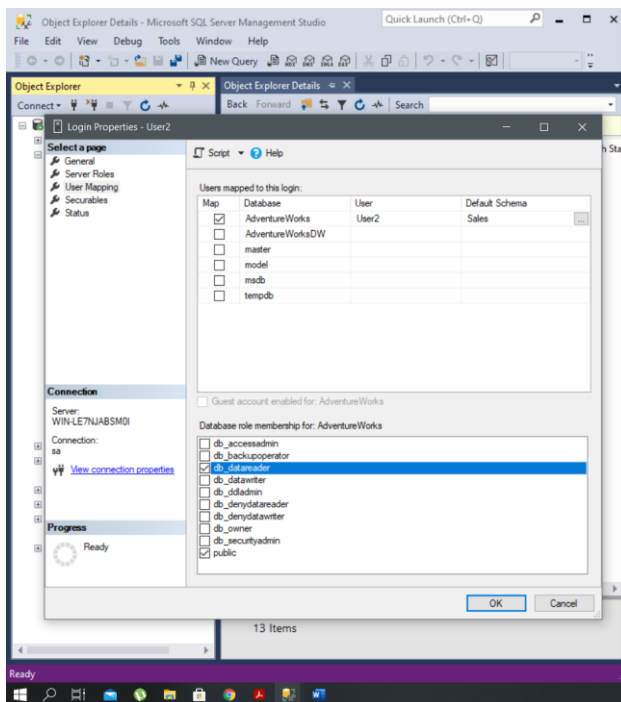
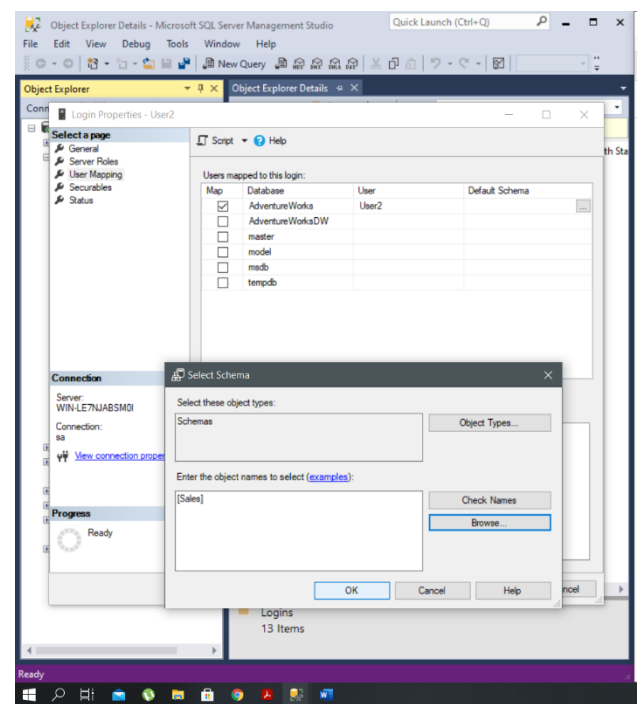
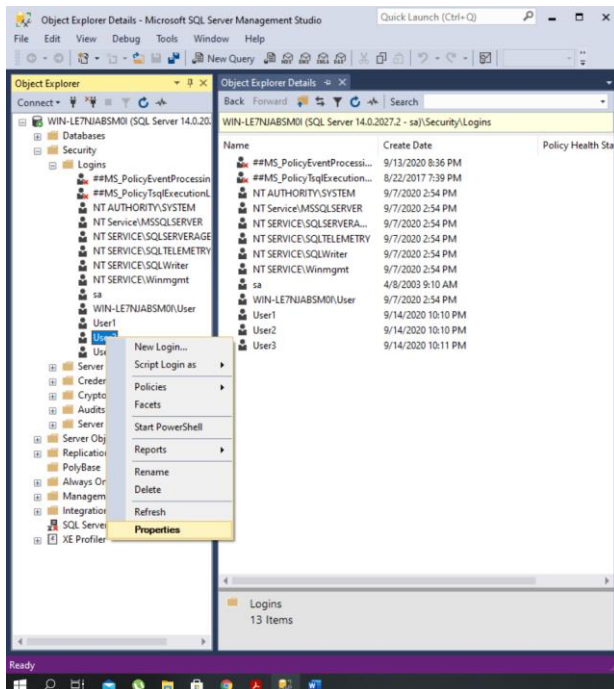


a)

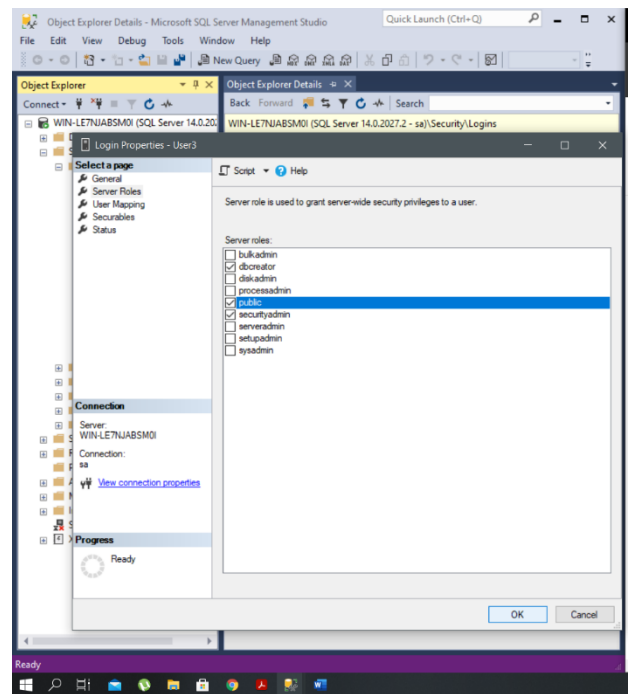
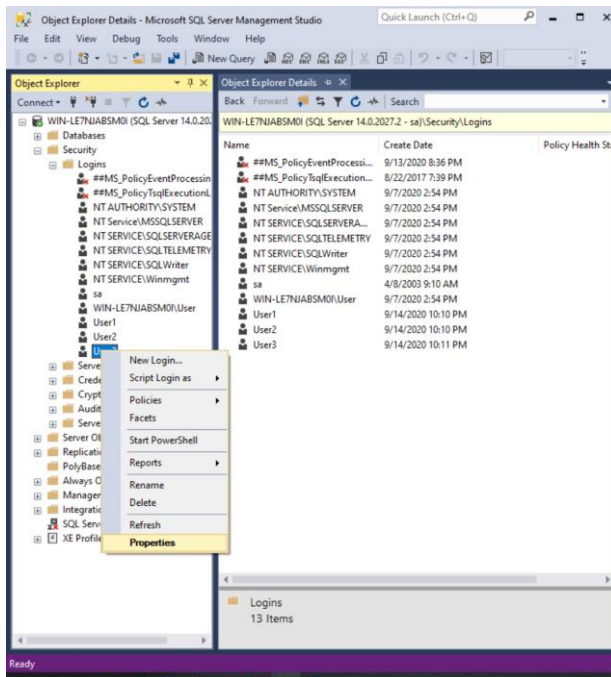




b)



c)



## Conclusion

Through following the steps described in the book, we managed to install the SQL Server 2017, as well as familiarize ourselves with managing the access to a database, the client-server technology and the logical components of the MS SQL Server.