

Database Systems

Spring 2019
Lab Manual 1

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Installation of SQL Server

- Download and Install MS SQL Server 2016
- Step by step installation guide is available at <http://bit.ly/2mZVfYH>

Create a New Database

- Create a new database named Northwind
- Restore Schema using scripts northwind.sql
- Restore schema data using northwind_data.sql

Generate Scripts of a schema

- Step 1
Right click on your database and select Task -> generate script.

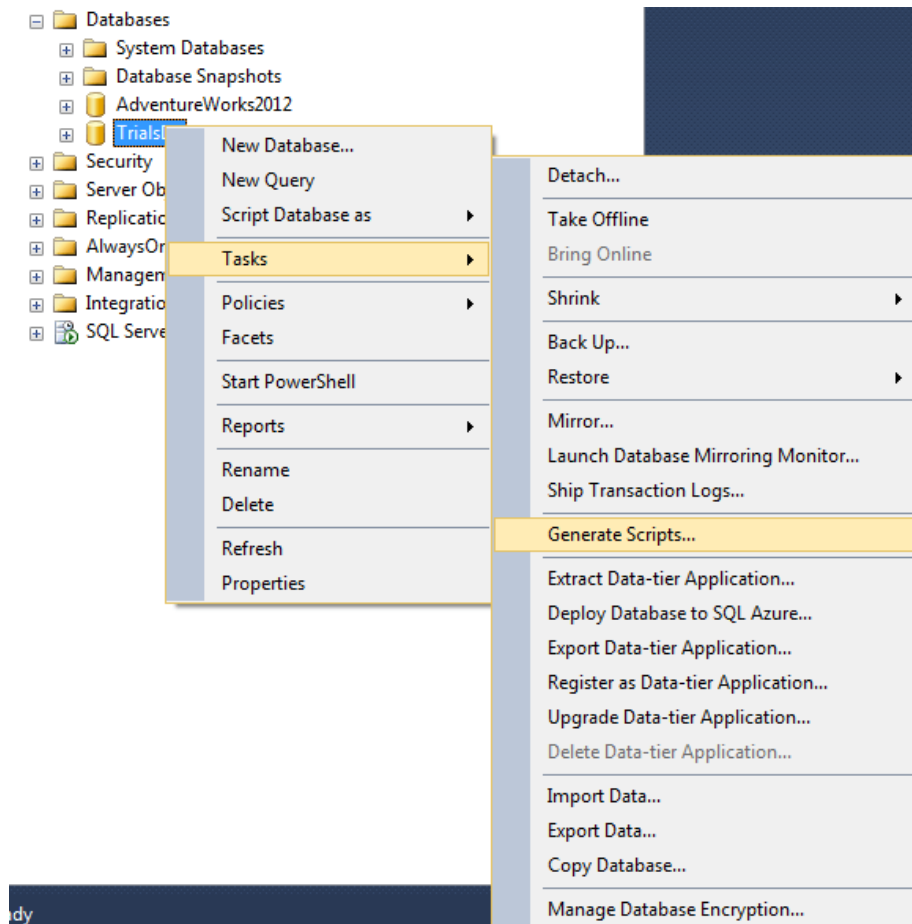
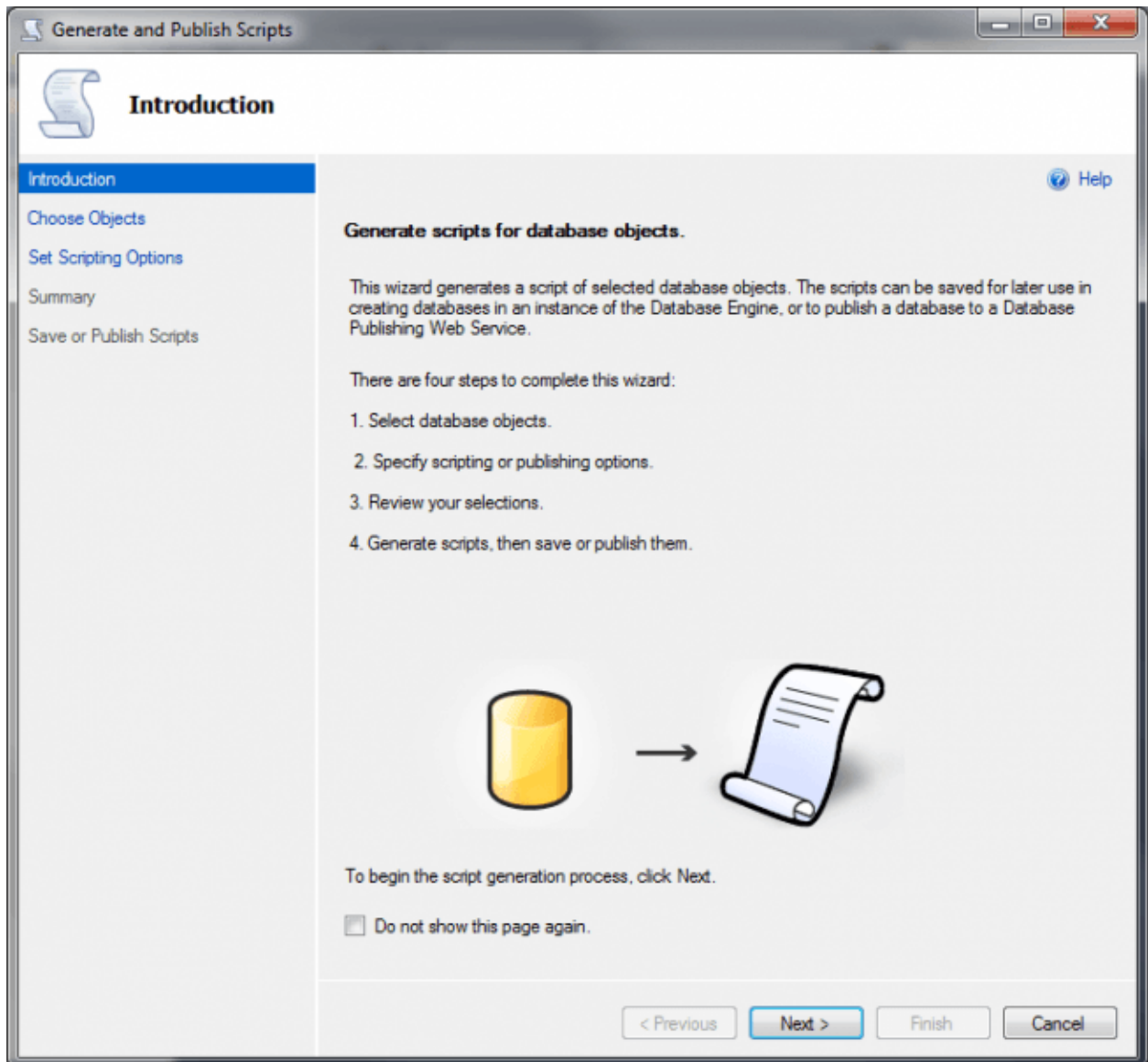


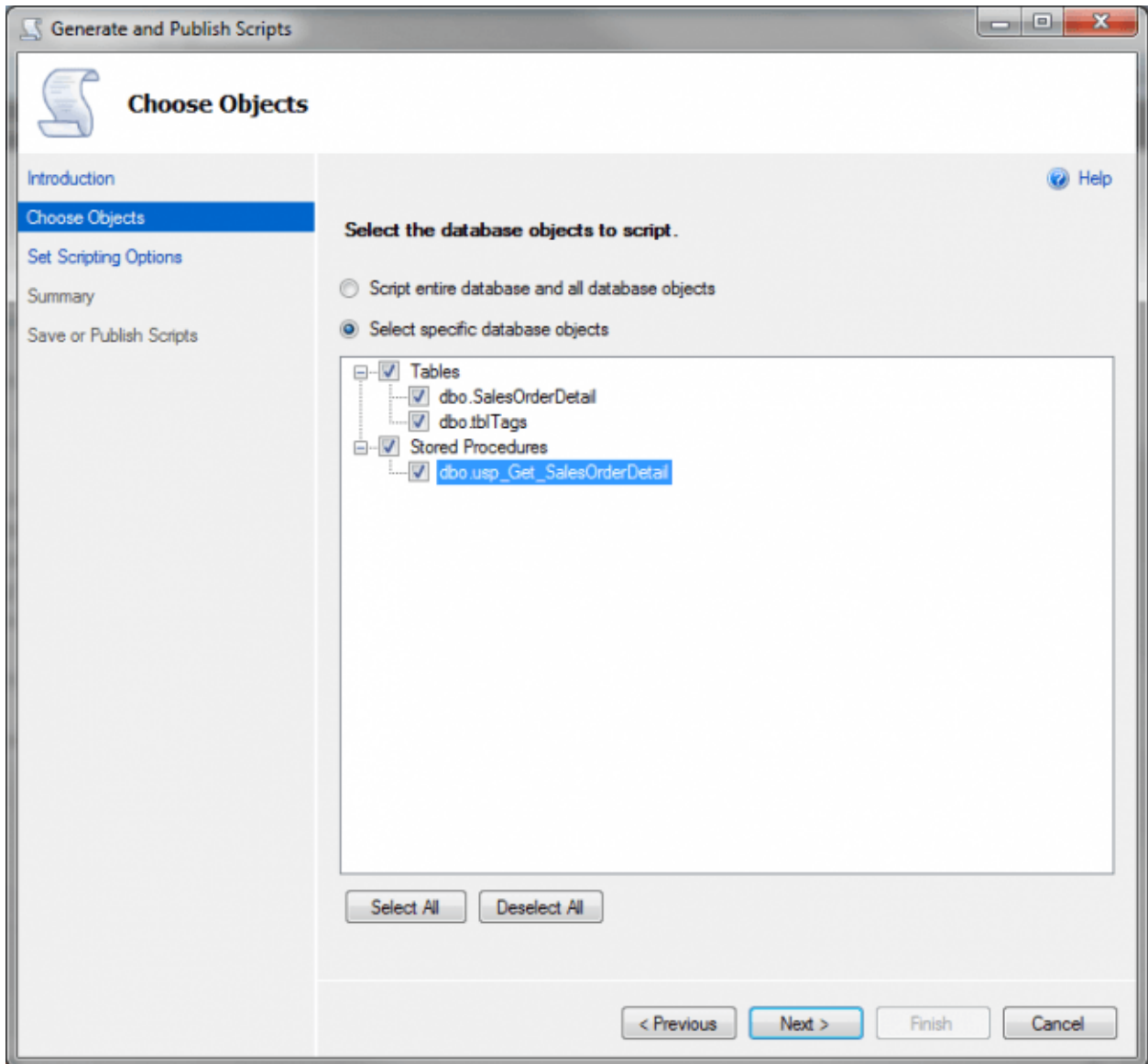
Figure 1 Database_Scripts_With_Data_Select_Option

Step 2
Click next in the introduction
screen.



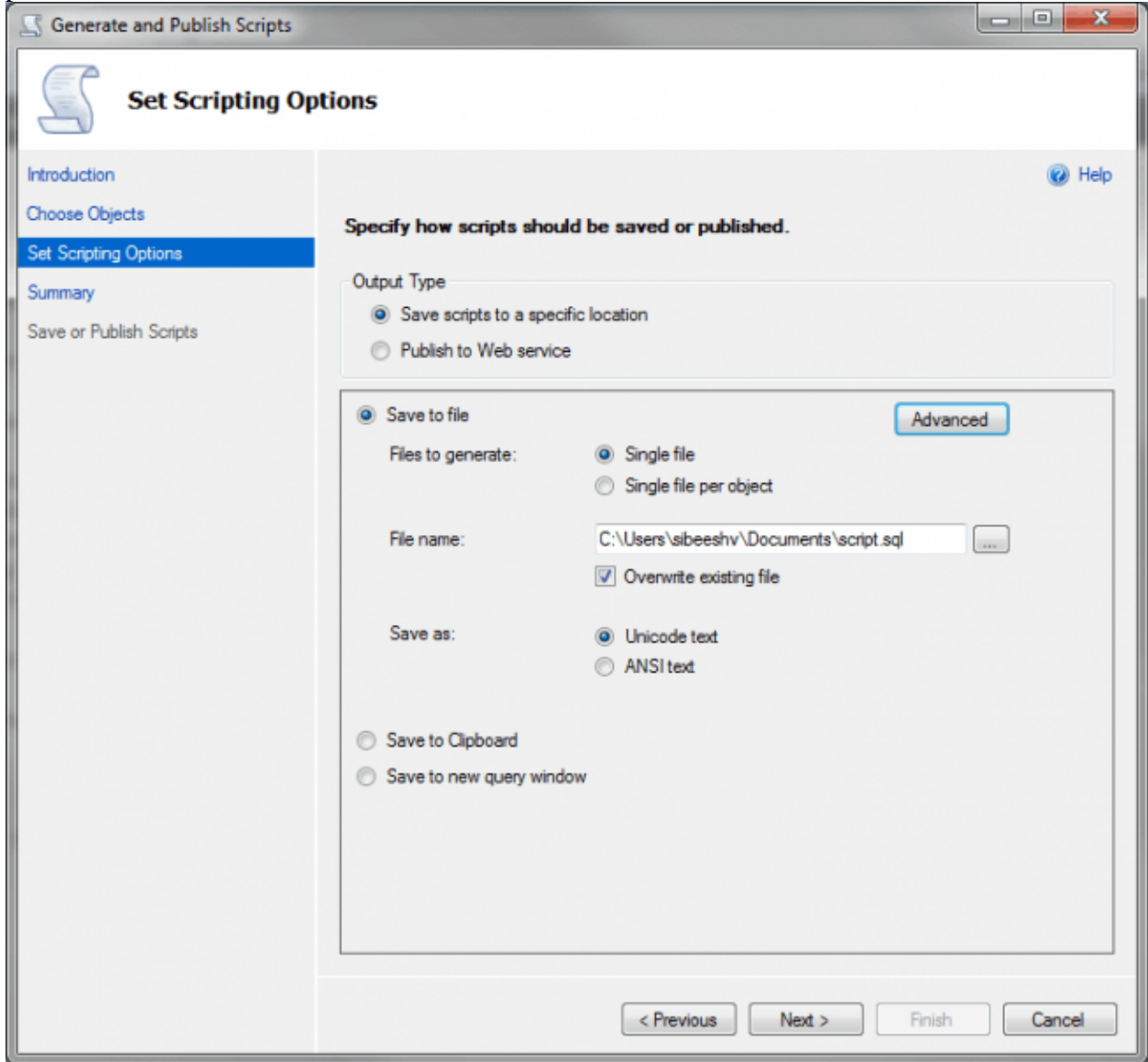
Database_Scripts_With_Data_Introduction
Step 3

Select the database object which you are all you need and then click next.



Step 4

Now you will be shown a window which asks you about how your script should be published.

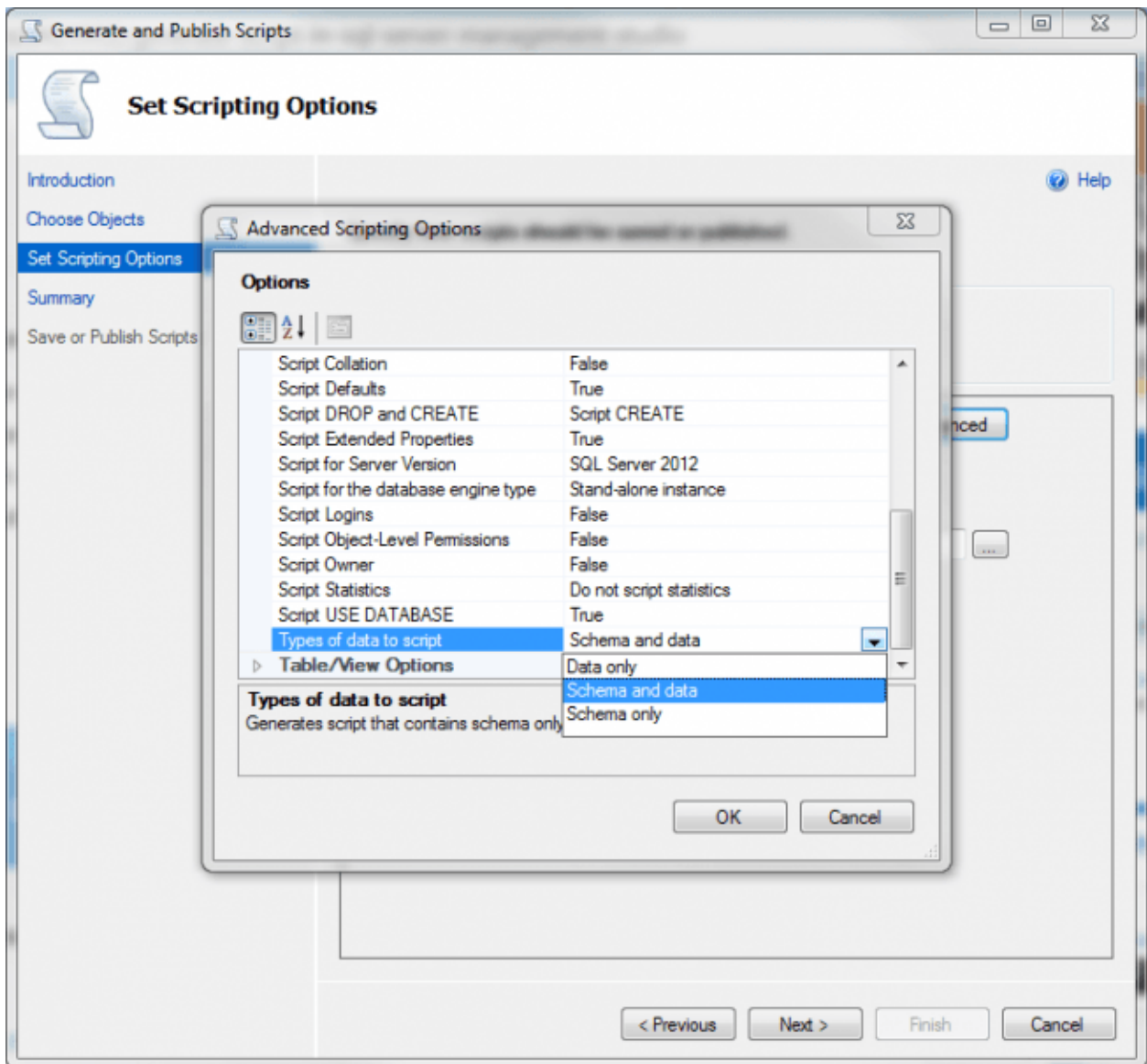


Database_Scripts_With_Data_Publish_Options

Click advanced in that window.

Step 5

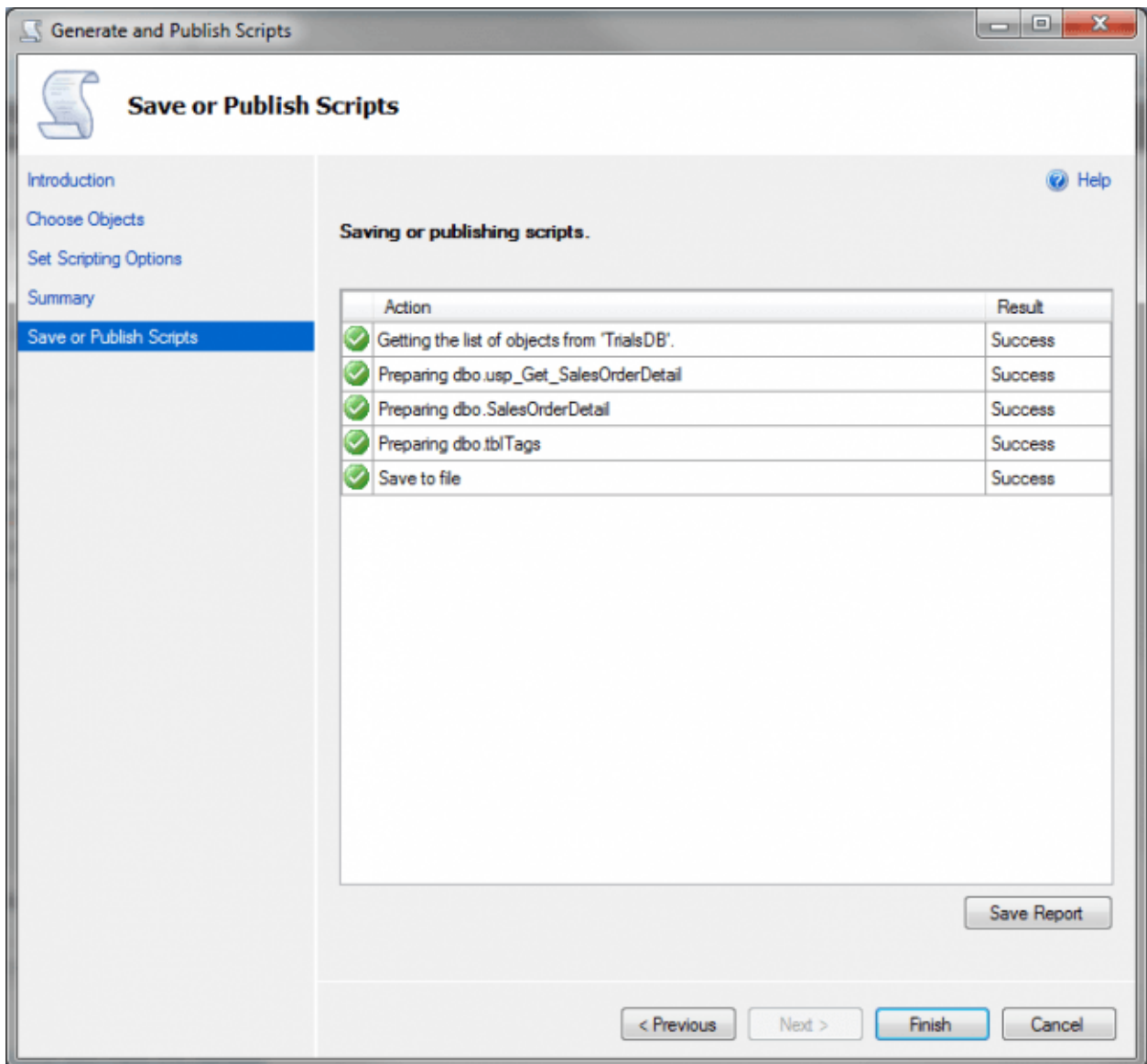
Select 'Schema and data' from type of data to script option and then click OK.



Database_Scripts_With_Data_Advanced
Click next.

Step 6

Click finish, now check the script file, it must be having the insert queries too.



Database_Scripts_With_Data_Finish

Now what else is pending, go ahead and run your script.

Tasks

1. Create a new database named TestDB_2015_CS_X
2. Create a new table named student using some attributes
3. Generate Scripts of your database
4. Restore your schema to another machine