

Lab: Getting Started

SSMS, ex0_XX.sql, ex0_XX.rpt, etc.

Week 1



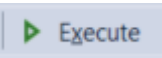
Express

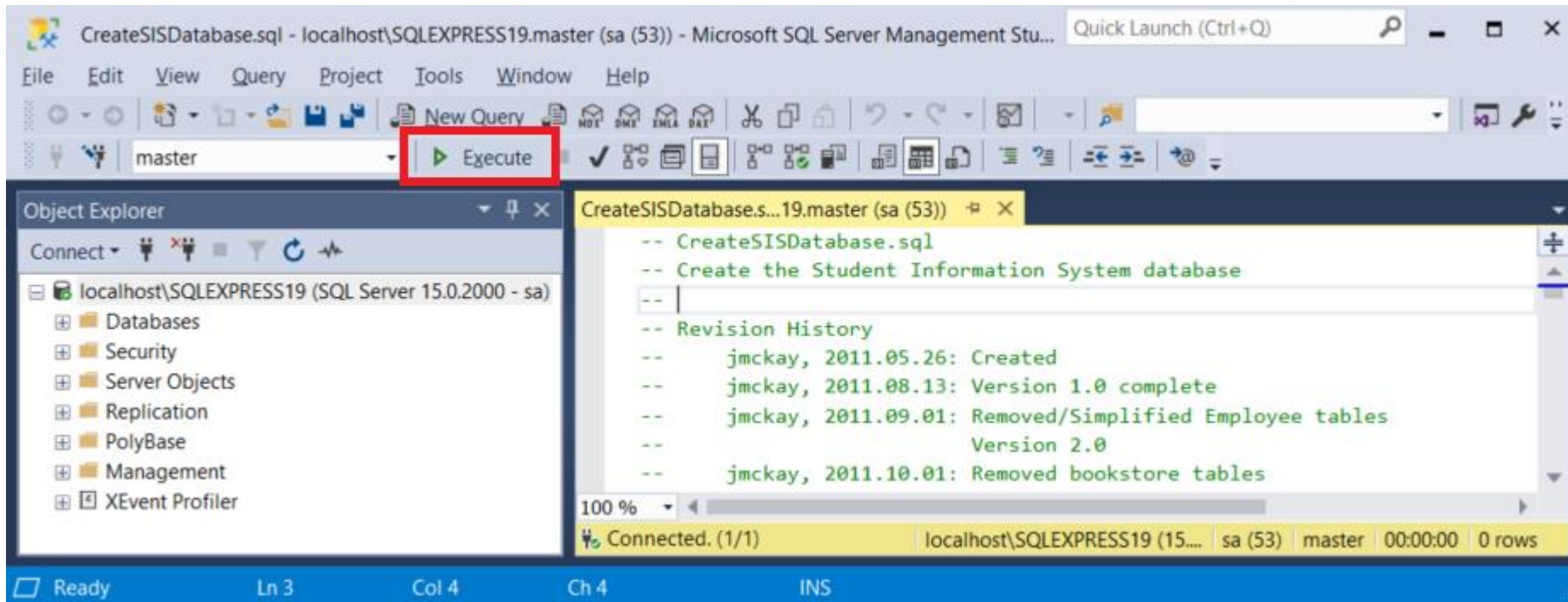
SQL Server 2019 Express is a free edition of SQL Server, ideal for development and production for desktop, web, and small server applications.

[Download now >](#)

- Task 1: Install **SSE 2019**
 - Follow: **InstallingSQLServerExpress2019.pdf**
 - Slide 4: *Scroll down SQL Server download page* to find **SSE** option
 - If you encounter an error (red icon), copy your error and search for a possible solution on the internet.
- Task 2: More details in next few slides
 - A. Create SIS Database (Reference: **INTRO.pdf**, slide 14)
 - B. Download and execute **ex0_XX.sql** (Reference: **SELECT.pdf**, slide 32)
 - C. Review and study the SQL samples in **ex0_XX.sql**

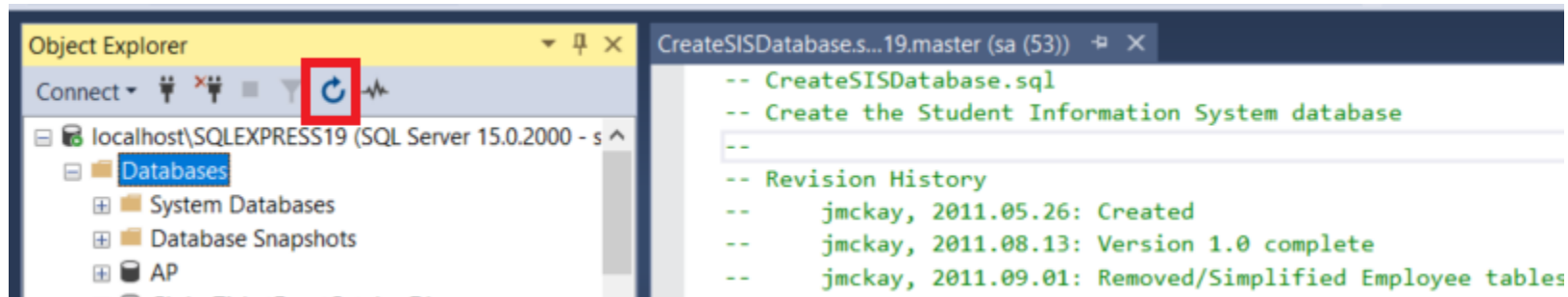
A. Create SIS Database

- File -> Open -> File... and load the file **CreateSISDatabase.sql** from eConestoga (download from **Databases** folder to your **C: drive** first)
- Press **!Execute** to create the **SIS** database 



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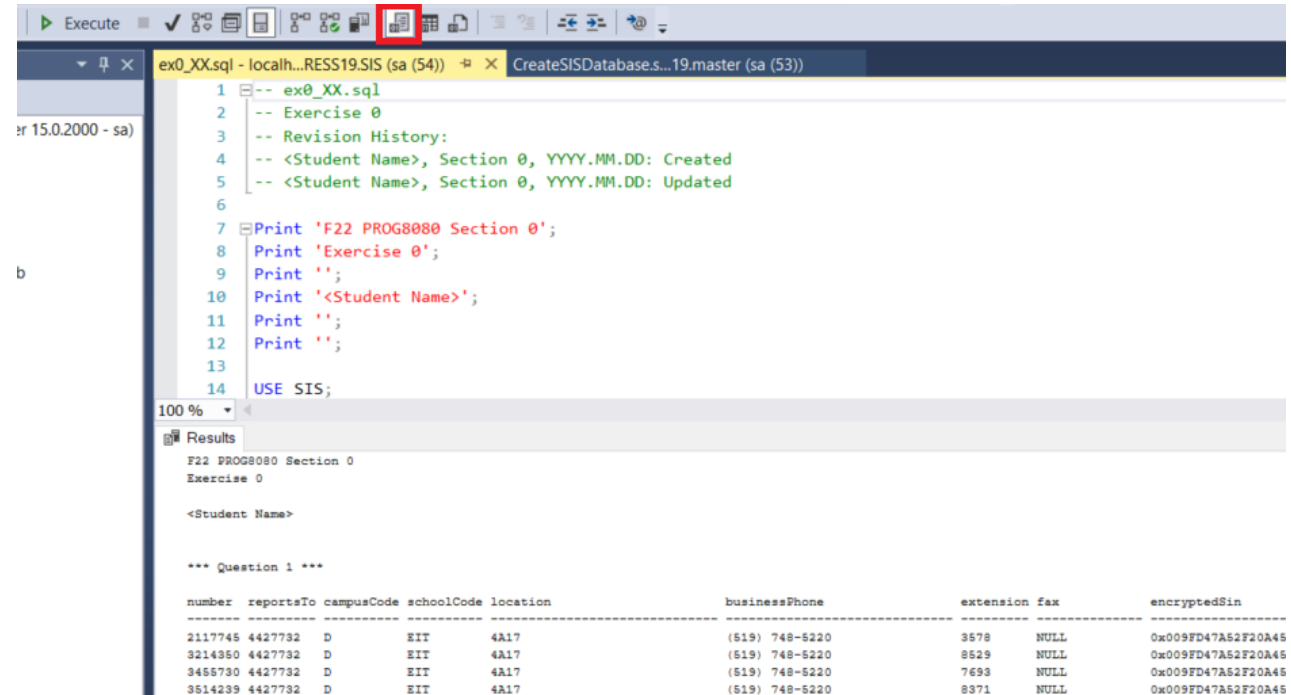
- Refresh the list of databases in the left-hand side bar by right-clicking on “**Databases**”, then “**Refresh**”



- From the left side bar, you can expand the **SIS** database to see the list of tables
- Note: The tables are “owned” by the user “**dbo**” (“database owner”)

B. ex0_XX.sql

- File -> Open -> File... and load the file **ex0_XX.sql**
 - Download from eConestoga **Week 01** folder
- Click “Results to Text” icon and **!Execute**
- To show line numbers: **Tools -> Options... -> Text Editor -> Transact-SQL -> General**
 - Check **Line numbers** checkbox



```
-- ex0_XX.sql
-- Exercise 0
-- Revision History:
-- <Student Name>, Section 0, YYYY.MM.DD: Created
-- <Student Name>, Section 0, YYYY.MM.DD: Updated

Print 'F22 PROG8080 Section 0';
Print 'Exercise 0';
Print '';
Print '<Student Name>';
Print '';
Print '';
USE SIS;
```

Results

F22 PROG8080 Section 0
Exercise 0
<Student Name>

*** Question 1 ***

number	reportsTo	campusCode	schoolCode	location	businessPhone	extension	fax	encryptedSin
2117745	4427732	D	EIT	4A17	(519) 748-5220	3578	NULL	0x009FD47A52F20A45
3214350	4427732	D	EIT	4A17	(519) 748-5220	8529	NULL	0x009FD47A52F20A45
3455730	4427732	D	EIT	4A17	(519) 748-5220	7693	NULL	0x009FD47A52F20A45
3514239	4427732	D	EIT	4A17	(519) 748-5220	8371	NULL	0x009FD47A52F20A45

(continued)

To redirect SQL output to a file:

- Select **Query > Results To > Results to File** (Ctrl+Shift+F) from the SQL Server Management Studio Express menu
- Run the query with **F5** or **!Execute**
 - Enter a file name for RPT file
 - (e.g., **ex0_XX.rpt** file to match the SQL code in **ex0_XX.sql**)
 - **Result:** RPT file is created and the **Results** window will display messages
- Open the **RPT** file (**ex0_XX.rpt**)
 - You can check the results in SSMS or in any text editor such as Notepad