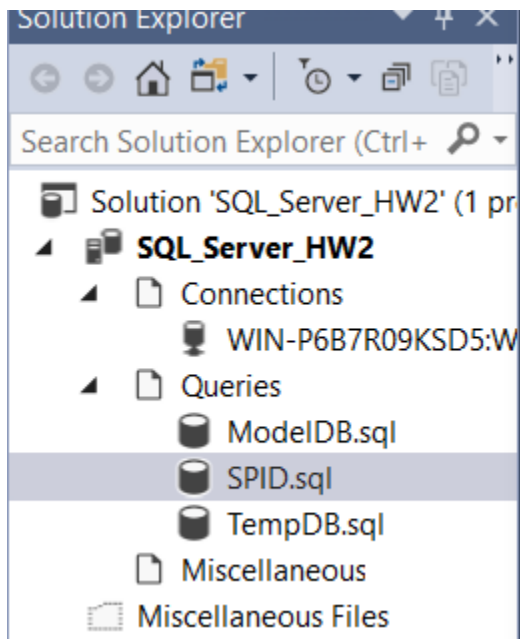


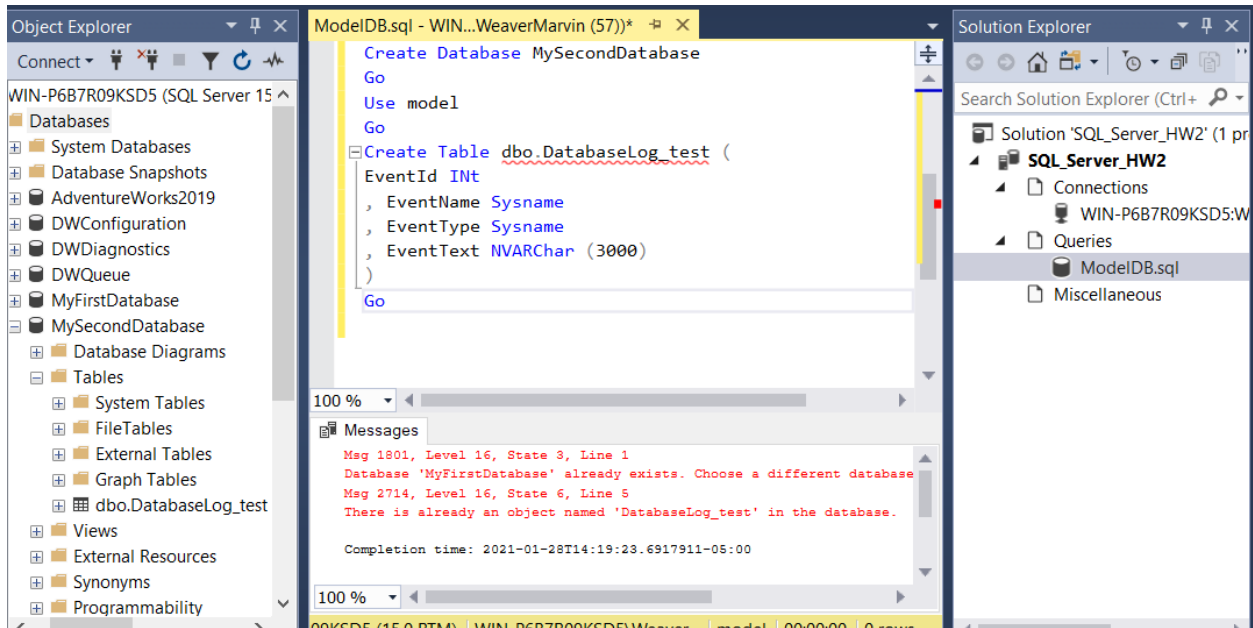
Homework #2: Mastering the Basics of SQL Server

- This is an individual assignment, and is worth 20 points.
- The due date is Monday, February 1st Midnight (*late work not accepted*)
- You have to use the “Homework #2-Tasks.docx” file to provide your answers. Change this file name according the naming convention below.
- Use the following naming convention: homework, underscore, last name, first initial, and extension (e.g., Homework #2_ImG.docx). If you do not follow the convention, I will deduct 1.0.
- Do not copy any of the sample screenshots provided as illustrations.
- Report any issues before the deadline.

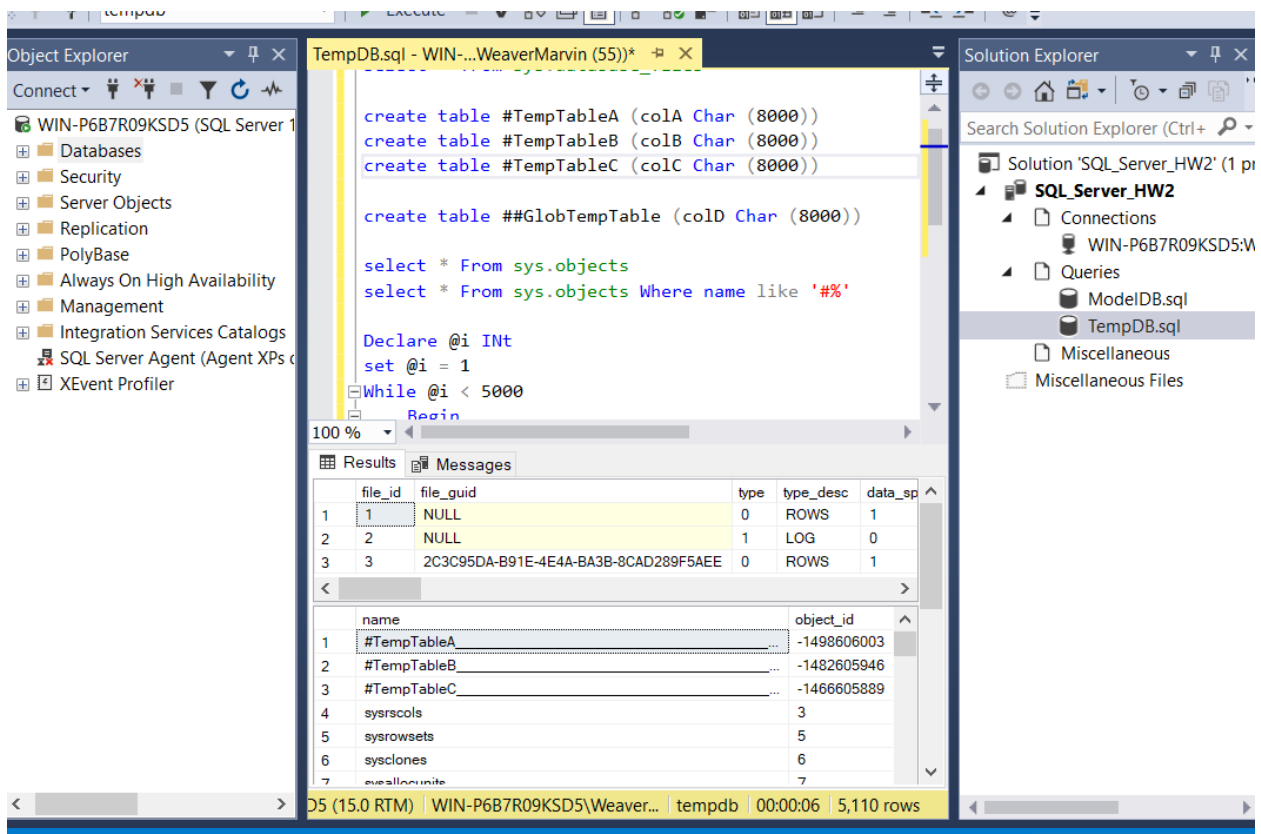
(Task 1: 5 points) Complete Task #2 through Task #4 while placing your sql files in Queries. Show in a screenshot that your Homework 2 project in Solution Explorer contains three sql files in **Solution Explorer**.



(Task 2: 5 points) Show in a screenshot that **DatabaseLog_test** table is created in **MySecondDatabase**, and not in **MyFirstDatabase**.



(Task 3: 4 points) Create the three temp tables listed above and show their existence using the SELECT command above. Attach a screenshot.



(Question: 1 points) When do we use temporary Tables? List three scenarios. When do we use table variable over temp table? For the answers, go to the link above.

Use of temporary tables:

- 1) When we are doing large number of row manipulation in stored procedures
- 2) Useful to replace the cursor
- 3) When doing a complex join operation

We use variable over temp when we are manipulating less data.

(Task 4: 5 points) Fill in **all** the blanks. Keep in mind that you have made a connection via a dynamic port not the default number. Your answers to the second column must be consistent with the connection you made.

	Name/Number	Description (definition)
SPID	92	Server Process ID
SID	52	Security ID
principal_id	259	Integral value representing user ID
net_library	LPC	Makes it possible to read and write data across machines
local_tcp_port	49200	Let applications communicate with one another

In addition, show the result of each of the four queries in a screenshot.

select *

100 %

Results Messages

	session_id	login_time	host_name	program_name	host_pr
1	1	2021-01-28 15:18:51.420	NULL	NULL	NULL
2	2	2021-01-28 15:18:51.420	NULL	NULL	NULL
3	3	2021-01-28 15:18:51.590	NULL	NULL	NULL
4	4	2021-01-28 15:18:52.620	NULL	NULL	NULL

	spid	kpid	blocked	waittype	waittime	lastwaittype	waitr
1	92	4520	0	0x0000	0	MEMORY_ALLOCATION_EXT	

	session_id	most_recent_session_id	connect_time	net_transpor
1	53	53	2021-01-28 15:19:31.560	Shared men
2	52	52	2021-01-28 15:19:33.207	TCP
3	53	53	2021-01-28 15:19:31.810	Session
4	53	53	2021-01-28 15:19:31.860	Session
5	52	52	2021-01-28 15:19:33.240	Session
6	52	52	2021-01-28 15:19:33.240	Session

	name	principal_id	sid	type	type_desc	is_disabled	create_date
1	sa	1	0x01	S	SQL_LOGIN	0	2003-04-08 09:00:00
2	public	2	0x02	R	SERVER_...	0	2009-04-13 15:00:00
3	sysa...	3	0x03	R	SERVER_...	0	2009-04-13 15:00:00
4	sec...	4	0x04	R	SERVER_...	0	2009-04-13 15:00:00
5	serv...	5	0x05	R	SERVER_...	0	2009-04-13 15:00:00
6	setu...	6	0x06	R	SERVER_...	0	2009-04-13 15:00:00
7	proc...	7	0x07	R	SERVER_...	0	2009-04-13 15:00:00
8	disk...	8	0x08	R	SERVER_...	0	2009-04-13 15:00:00