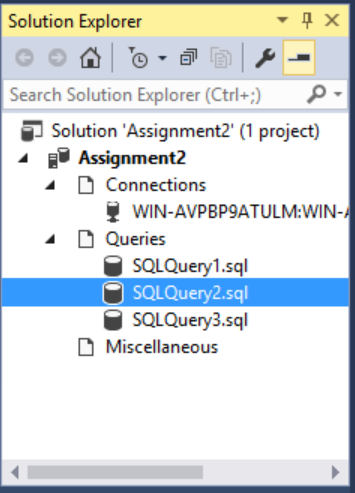
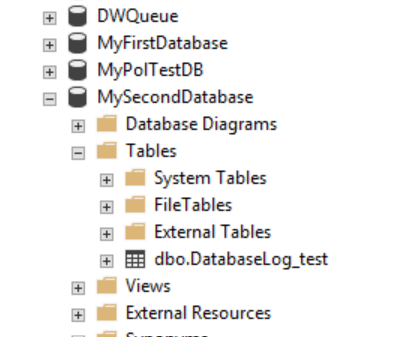
# Homework #2: Mastering the Basics of SQL Server

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| * This is an individual assignment, and is worth 20 points. * The due date is 2:30 (sec 01) / 7:00 PM (sec 76) on Tuesday, January 28. * 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. |

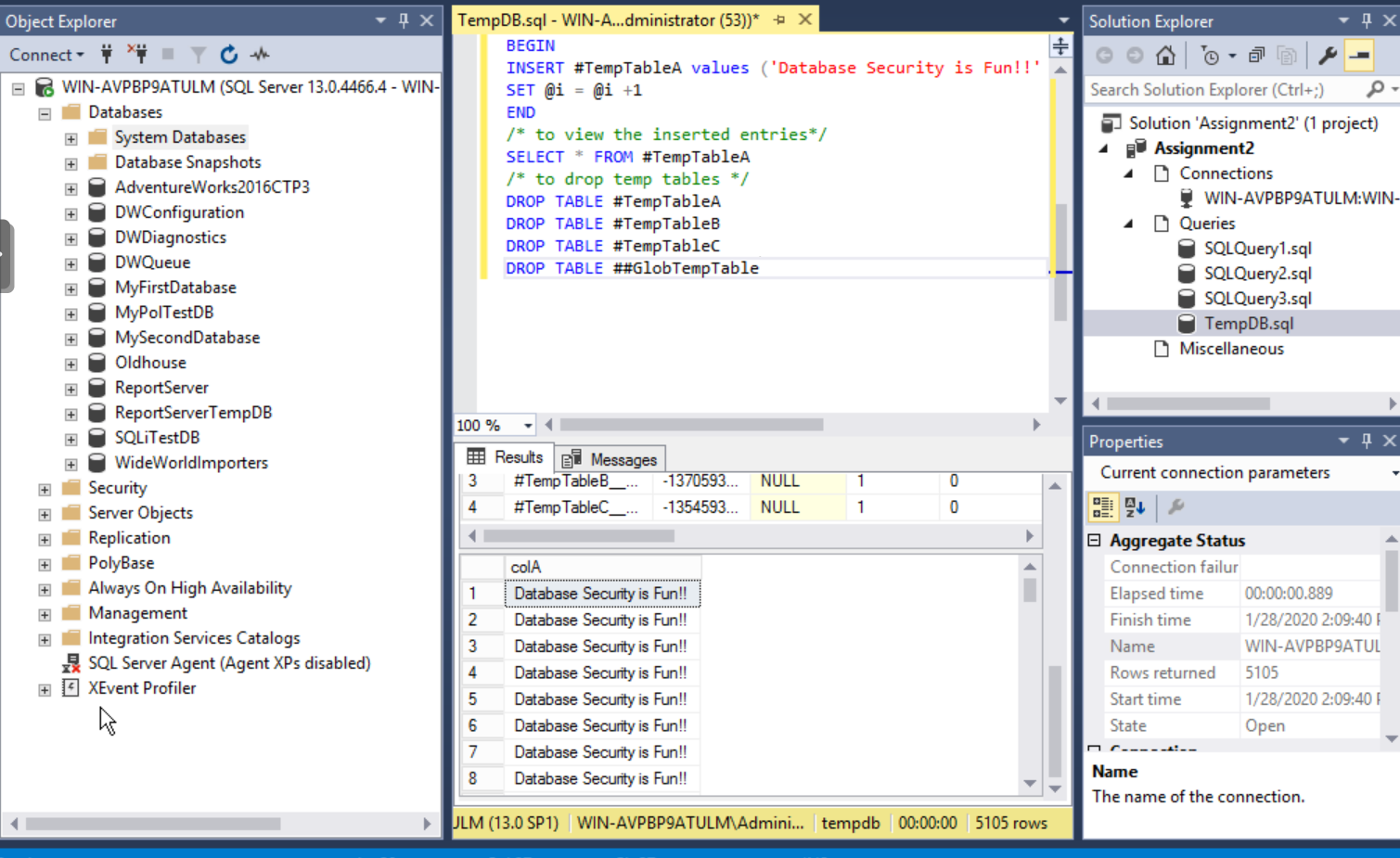
(**Task 1: 5 points**) Complete Task #2 through Task #4 while placing your sql files in Queries. Show in a screenshot that your Homework 2 project in Solution Explorer contains **three** sql files in **Solution Explorer**.



**(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.

We use temp tables when using large amount of manipulations, when we want to manipulate the result data, and when we use a complicated series of joins. We use table variables when there is 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 | 59 | SPID is Server Process ID. Also known as a connection or session. |
| SID | 0x01050000000000051500 0000450B8AF22B8D5A21 AA559ADDF40100000000 0000000000000000000000 0000000000000000000000 0000000000000000000000 0000000000000000000000 0000000000000000000000 00 | SID is Server-Level ID. Identifies security context of the login and is unique per server instance. |
| principal\_id | 259 for admin, 265 for SQLSrvAcct | ID for each security principle in the DB |
| net\_library | TCP/IP | Protocol used on shared-memory communications. |
| local\_tcp\_port | 49214 | Target TCP port that the connection uses |

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

