# 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 Monday, January 31st 2:30 (sec01) / 5:30 (sec75). (*Late work not accepted this time*) * You have to use the “Homework #2-Tasks.docx” file to provide your answers. Change this file name according to 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. * Zoom in the screenshots so that the images are clearly readable. |

(**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**.

**Graphical user interface, text, application

Description automatically generated**

**(Task 2: 5 points**) Show in a screenshot that **DatabaseLog\_test** table is created in **MyDatabase2**, and **not** in **MyDatabase1**.

Graphical user interface, application, Word

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

Graphical user interface, application

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(**Question: 1 points**) When do we use temporary Tables? List two scenarios. When do we use table variable over temp table?

We use temporary tables when we are adding and deleting rows of a table and allow schema modifications. You would use table variable for faster query search results.

(**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.

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|  | **Name/Number** | **Description (definition)** |
| SPID | 55 | Server process iD |
| SID | 0x0105 | Security Identifier |
| principal\_id | 259 | Principal administrator group Identifier |
| net\_library | TCP/IP | Network library |
| local\_tcp\_port | 49300 | Local connection |

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

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