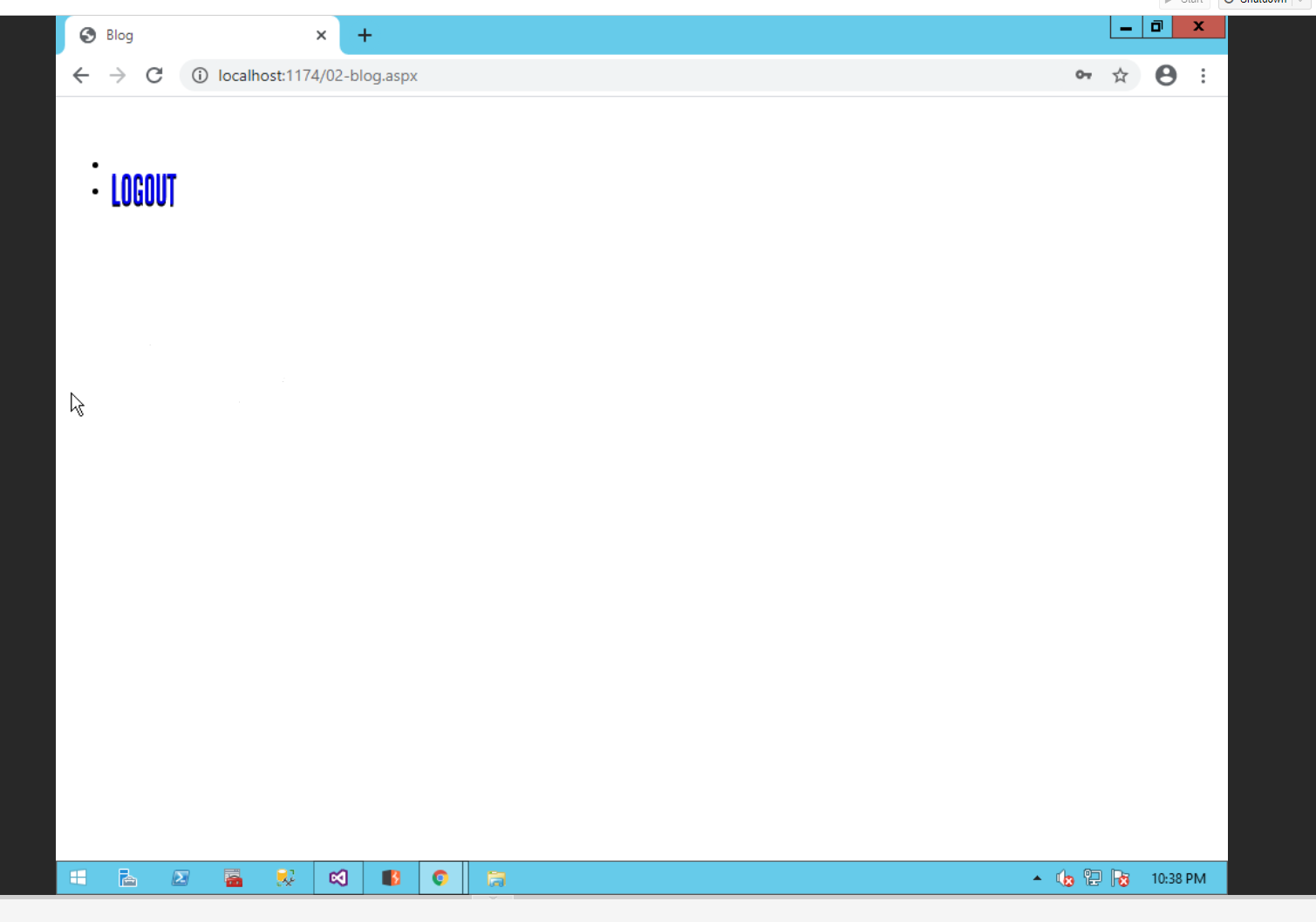
# Assignment #4: Database Attacks and Defense

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| * This is an individual assignment, and is worth 20 points. * The due date is Saturday, Feb 15th, Midnight. * You need to provide your answers to the “Homework #4 – Tasks.docx” file. Change the file name following the naming convention suggested below. * Naming convention is as follows: homework, underscore, last name, first initial, and extension (e.g., Homework #4\_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. * When you take a screenshot, please zoom in so that the output is visible. |

* **(Task # 1)** Take a screenshot of the next screen after the injection. You must see the Logout button.

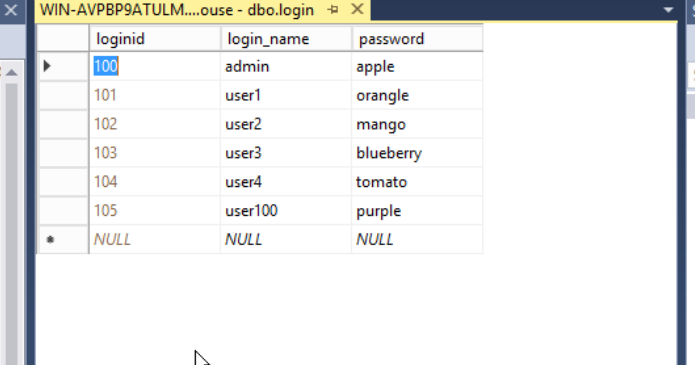


* **(Task # 2)** Enter the following injection in **Login name** box and make the Password box blank.

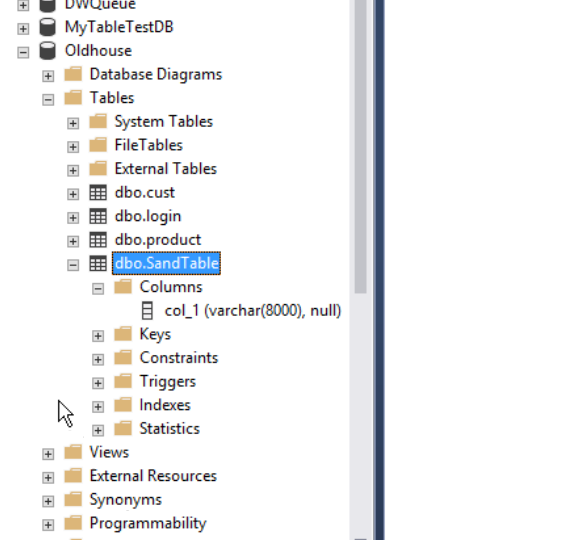
1. **Task #2A:** What is the constructed query that is passed on to SQL Server? If you study the code in **Login.aspx.cs**, you can figure out the constructed query. Also, refer to the class slides for ideas.

**The constructed query is passing on the username and login to the SQL server. This is due to the login.aspx.cs showing that the login is inserting the user ID and PW into test box and verifying them via the SQL server. Therefore, this command is showing how the attacker is injecting the username and password directly into the SQL Server.**

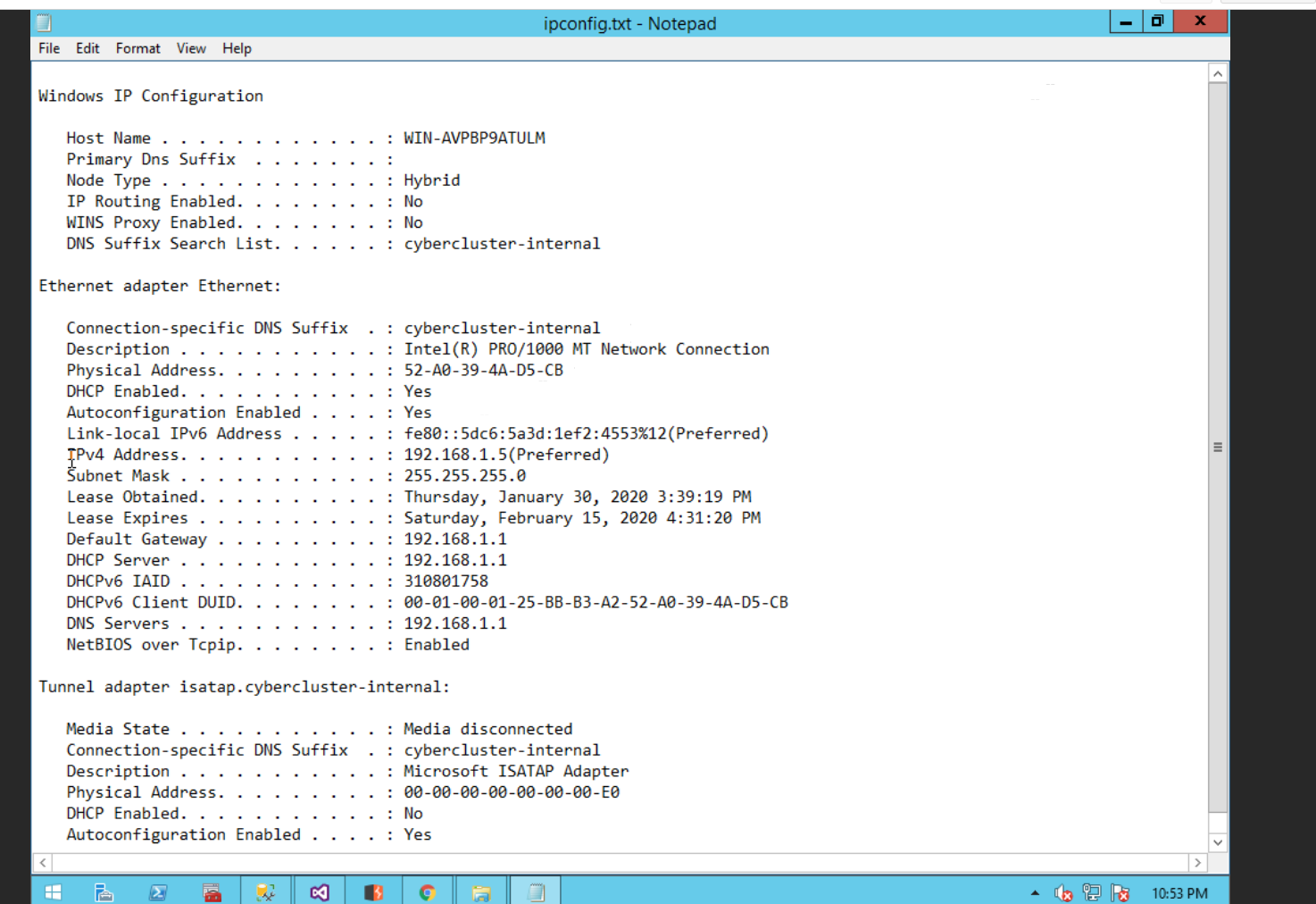
1. **Task #2B**: Go to the SQL Server and confirm that the account (‘user100’, ‘purple’) is indeed created in the login table. Provide a screenshot of the records in the table.



* **(Task # 3)** Enter the following two injections using **Login name** box. Leave the **Password** box blank. Show in screenshots that the database and the table are created. The table will be created in **Oldhouse** database.



* **(Task # 4)** Go to the directory **c:\Test\** in Windows 2012 Server and locate **ipconfig.txt** file. Open up the file and take a screenshot of its content.



* **(Task # 5)** Take a screenshot of Windows Task manager that is running **ping.exe**. If the ping process disappears quickly, increase the counter ‘n’. If you cannot capture the screen, just report it after confirming the injection is working.

