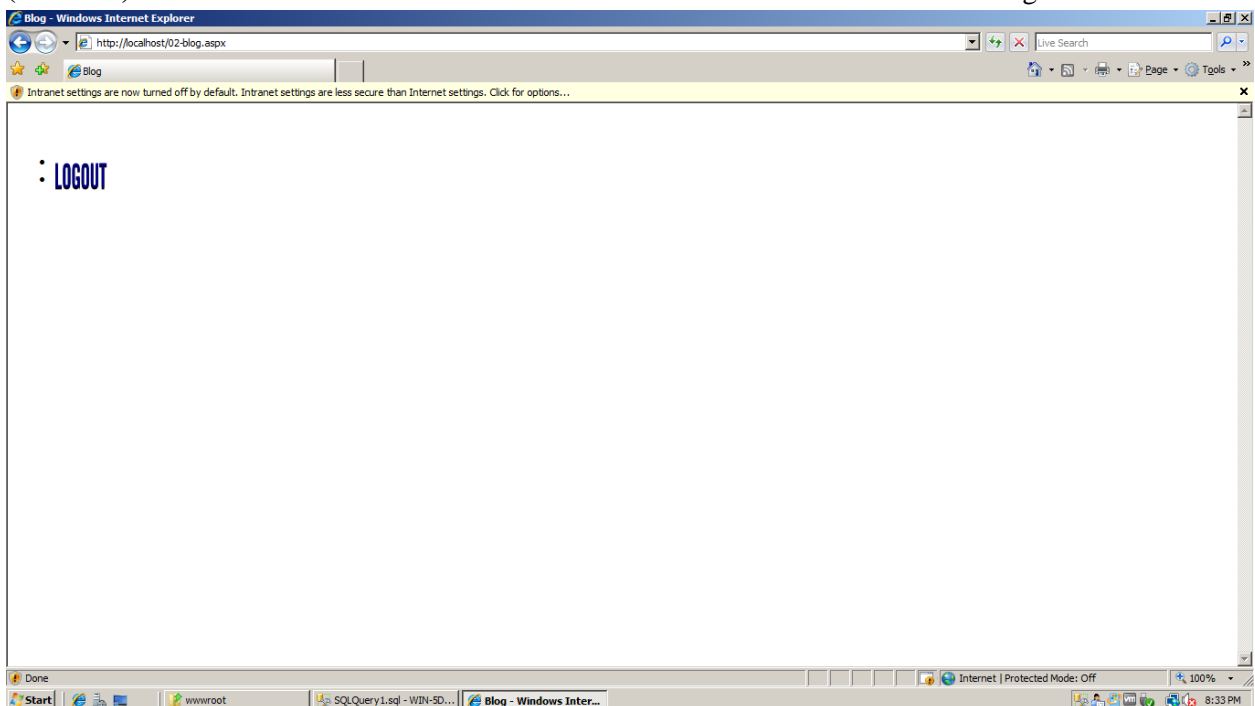


Homework #4: Database Attacks and Defense

- This is an individual assignment, and is worth 30 points.
- The due date is Wednesday, Feb 17th, 4:00 pm.
- 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.
- Each Task is worth six (6) points.
- Use the accompanying **Oldhouse website.zip** and **Oldhouse-Table-Create-HW4.sql**.

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



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

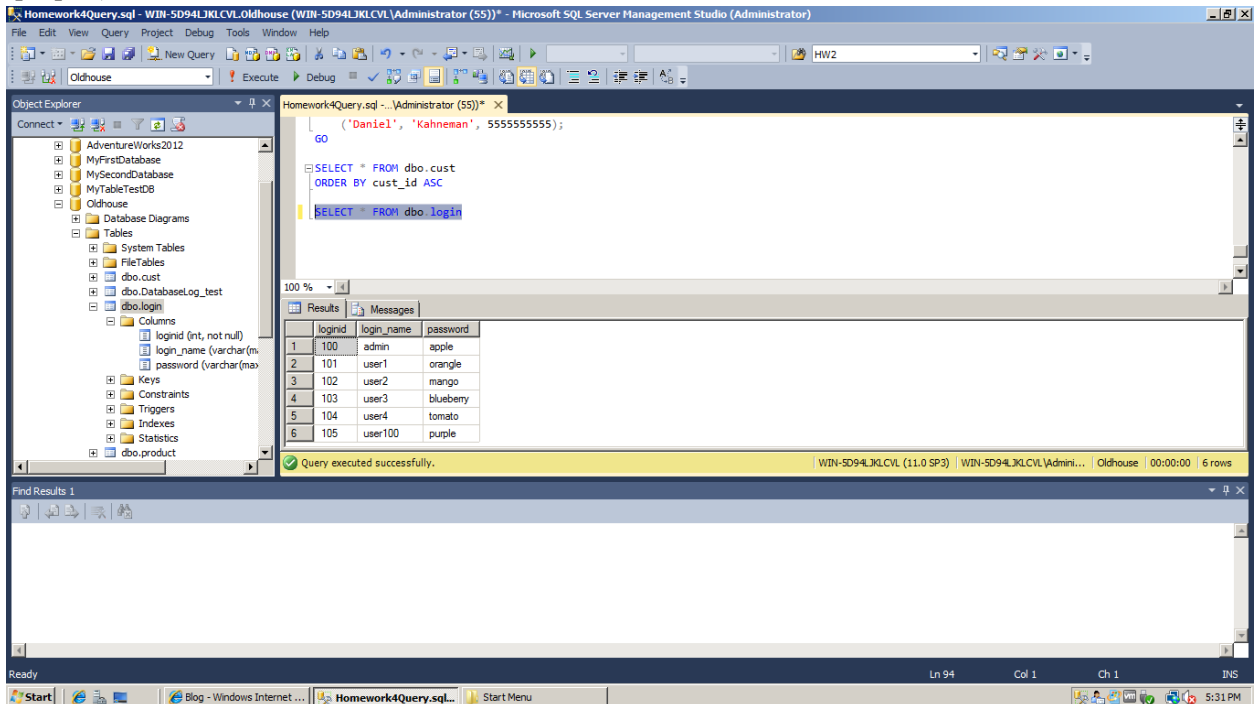
Task #2A: What is the constructed query that is passed on to SQL Server? If you study the code in **Login.aspx.cs**, you can figure out the constructed query. Also, refer to the class slides for ideas.

Select * From login

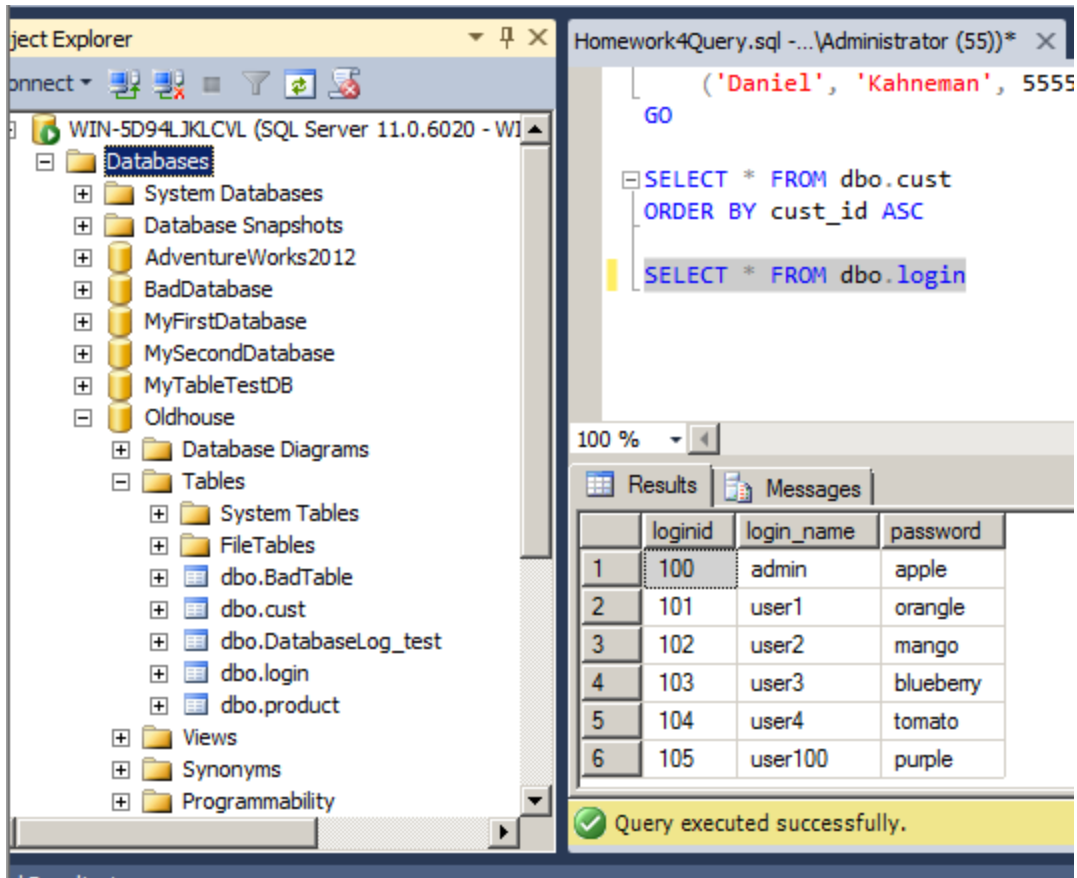
Where login_name='admin';

INSERT INTO login VALUES ('user100','purple') ;--

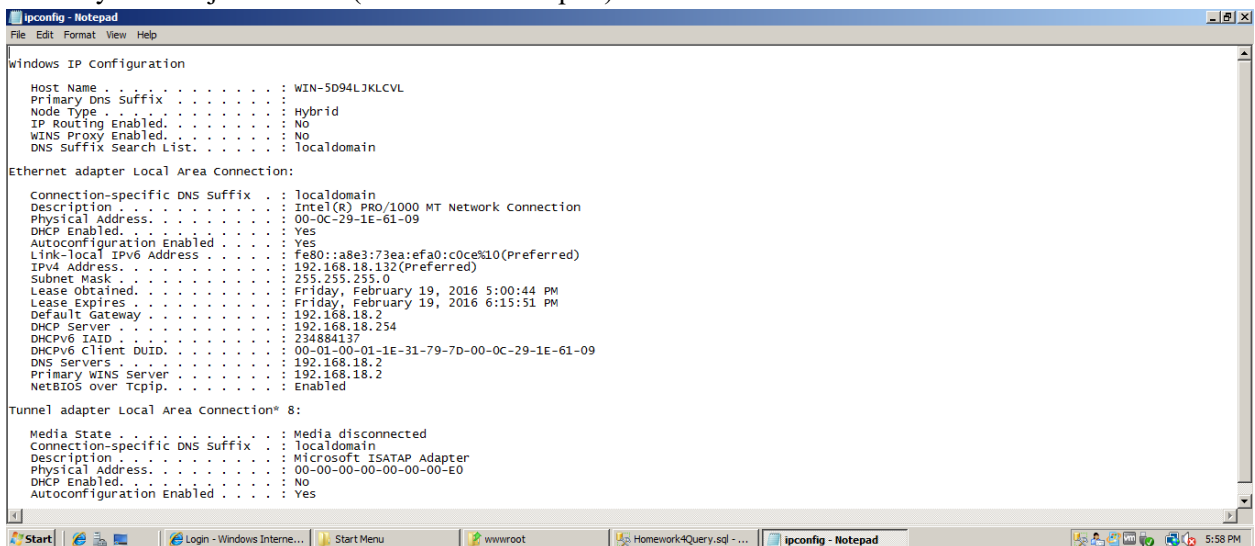
Task #2B: Go to the SQL Server and run the query below and confirm that the account ('user100', 'purple') is indeed created in SQL Server. Provide a screenshot.



- **(Task # 3)** Enter the following two attack codes using **Login name** box, respectively. Leave the **Password** box empty. 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:\inetpub\wwwroot** in Windows 2008 Server and locate **ipconfig.txt** file. Open up the file and take a screenshot of its content. After creating a backdoor, you can access the file you have just created (we don't do this part).



- (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.

