# 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 20th, 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.

Graphical user interface, application, Word

Description automatically generated

* **(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:**

**SELECT \***

**FROM LOGIN**

**WHERE login\_name=’admin’**

**INSERT INTO login VALUES (‘user500’,’blue’)**

1. **Task #2B**: Go to the SQL Server and confirm that the account (‘user500’, ‘blue’) is indeed created in the login table. Provide a screenshot of the records in the table.

Graphical user interface, application

Description automatically generated

* **(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.

**Graphical user interface, application

Description automatically generated**

* **(Task # 4)** Go to the directory **c:\Test\** in Windows 2012 Server and locate **ipconfig2.txt** file. Open up the file and take a screenshot of its content.

Graphical user interface, text

Description automatically generated

* **(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.

I think this screenshot is showing that Task Manager is running **ping.exe** (The TCP/IP Ping Command as shown in screenshot)**.** Also, I confirmed the injection is working.

Graphical user interface

Description automatically generated