LAB03B: SQL Injections

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This server(localhost, used for the website urbank) has vulnerabilities that allow for attackers to get user information by using sql injection. This document displays every vulnerability that I was able to find with the help of online resources I found online.

# SQL Vulnerabilities

1. Exploiting error to get info on the database
2. Getting info on the system used by the web server
3. Get name of database

## Exploiting error to get info on the database

Entering “’ or extractvalue(0x3a,concat(0x3a,(**command**())))#” in the username field appends us to a legitimate field, allowing us to enter any command we want as a syntax error. Extract value provides us with the database printed as an error. Command should be replaced with a mysql command that will give you the info you want to get.

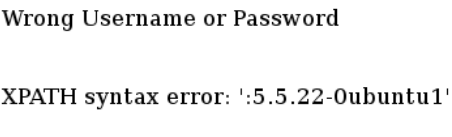
This is what is going to be used to get more information on the system and make changes

## Getting version info on the **system used by the web server**

Identifying the database can be done by entering ' or extractvalue(0x3a,concat(0x3a,(select version())))#

We can ask for what’s the version of the client the web server is using, with “select version”.

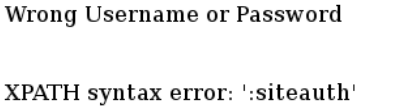
below is the output:



## **Look at the** tables in the database

You can get the name of the database by entering ' or extractvalue(0x3a,concat(0x3a,(select database())))#

We get this output:



# Citations

Kaplarevic, V. (2020, June 01). How to Check mysql Version: 5 easy Commands {UBUNTU, LINUX}. Retrieved February 18, 2021, from https://phoenixnap.com/kb/how-to-check-mysql-version

Mysql commands. (n.d.). Retrieved February 18, 2021, from [http://g2pc1.bu.edu/~qzpeng/manual/MySQL%20Commands.htm](http://g2pc1.bu.edu/~qzpeng/manual/MySQL Commands.htm)