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CS405

**Assignment 2-2 SQL Injection Activity**

**Screenshots of console with program running:**

A computer screen shot of a black screen

Description automatically generated

**Summary:**

For this assignment we were tasked with developing code that would prevent SQL injection attacks. There were modifications I made to the provided code to accomplish this. This one step was to modify the run\_query() function the modification here were made to detect and also prevent SQL injection attacks. The type of attack that I targeted on stopping was the OR value=value attack. It was important that we developed an expression that would detect SQL injection attacks. This expression was added in the run\_query() function utilizing std::regex to identify stop any SQL injection attacks. When a suspicious pattern is detected, an output informing the user would be display. This was also added to the provided code. When creating the expression to detect a potential SQL injection it was important to do our best to limit any false positives. While working with this code it was a main focus to ensure any comments that were added were clear and concise.