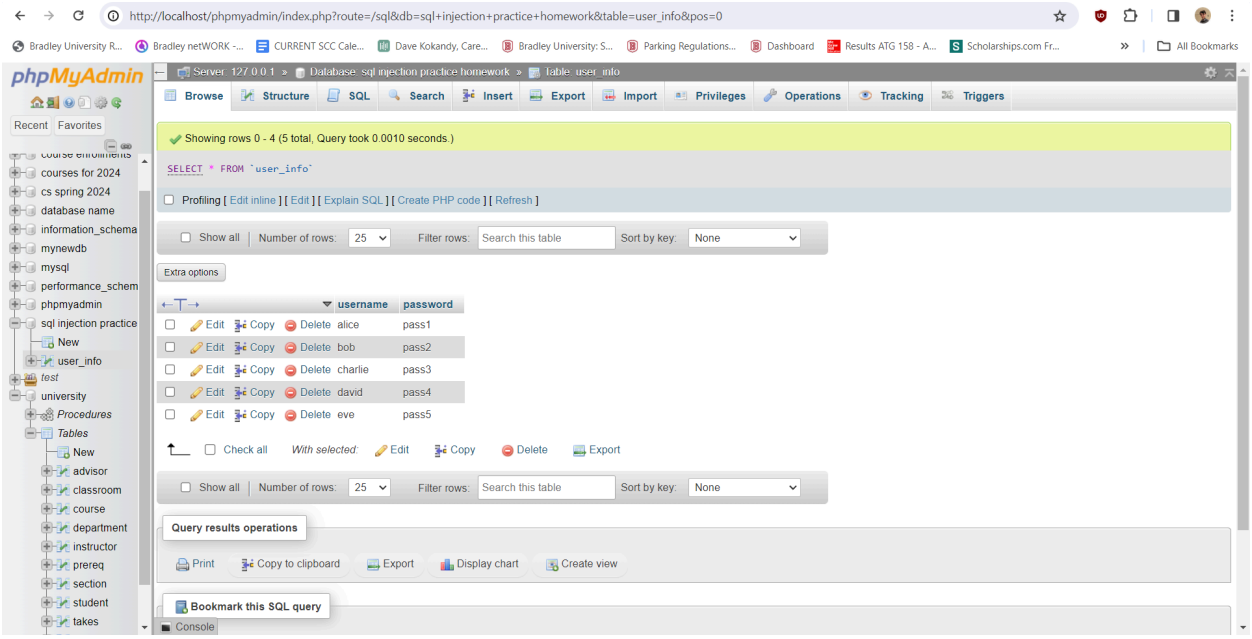
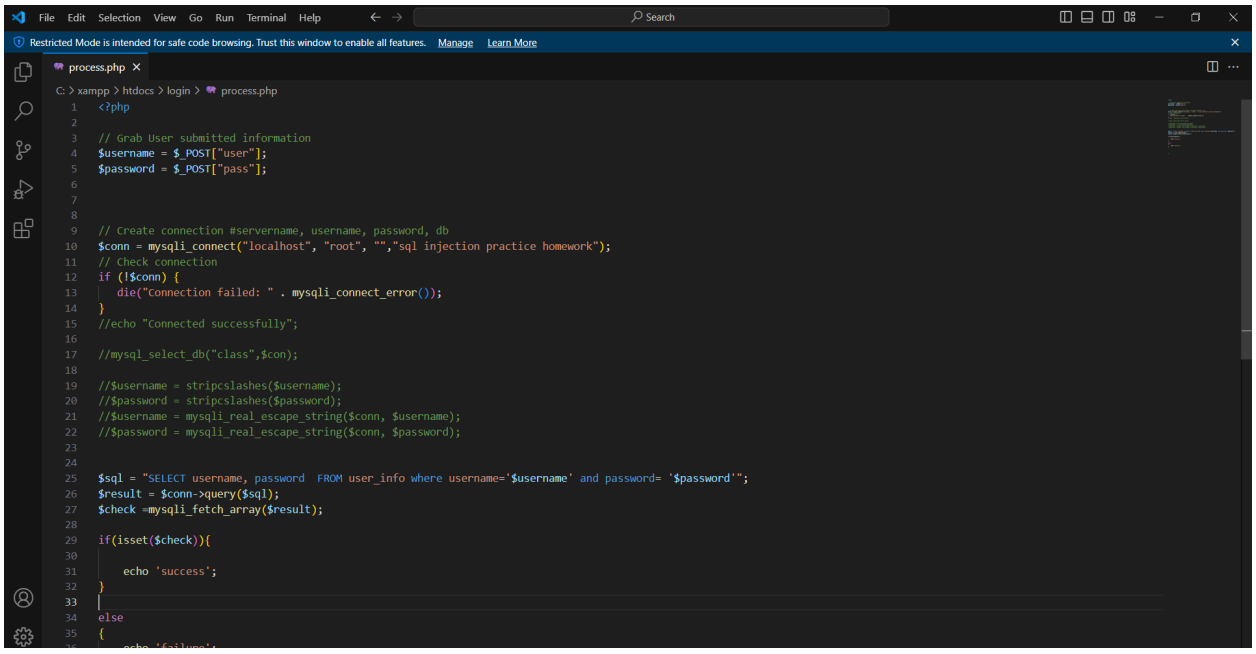
Isaac Sullivan
Injection Homework
CS 370
4/1/2024

Created database with given values:

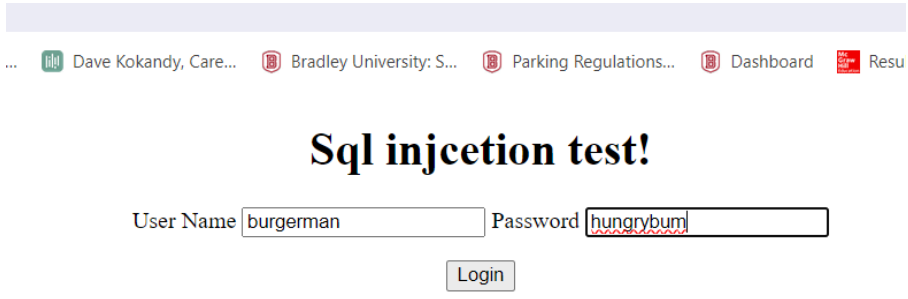


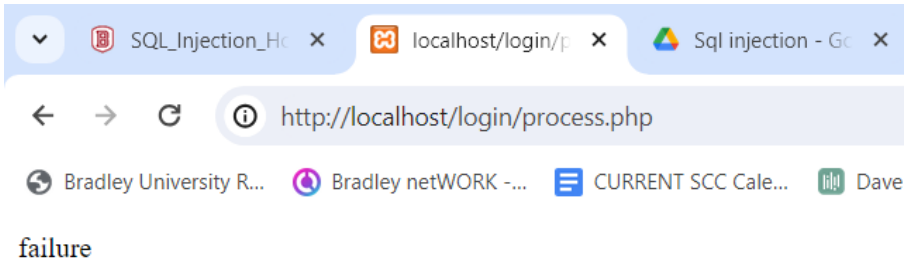
Changed the $conn line in process.php to sql injection practice homework:



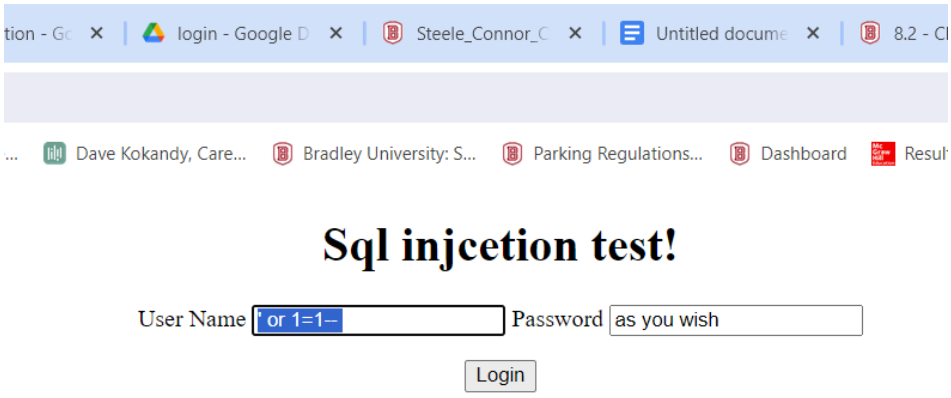
Testing correct username and password:

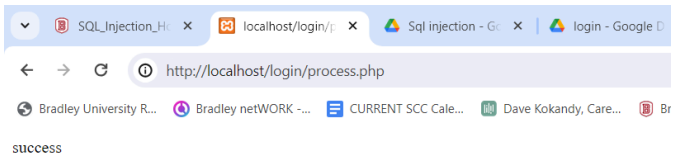
Testing incorrect username and password:



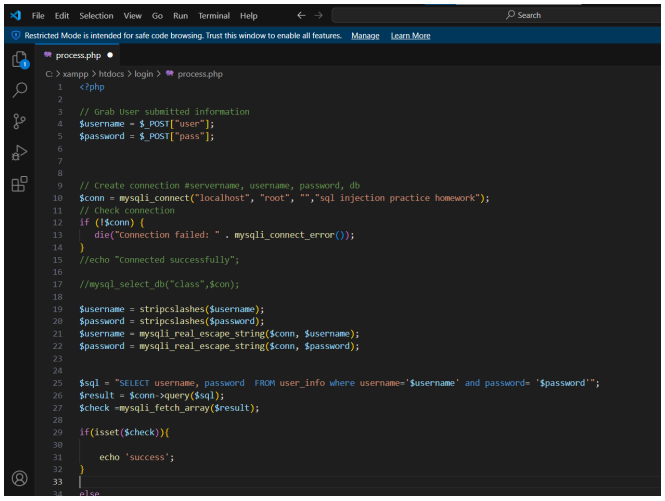


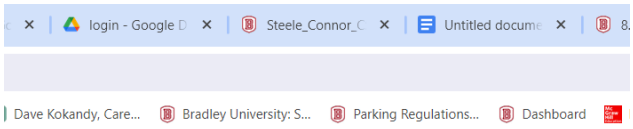
SQL Injection:





SQL injection prevention:

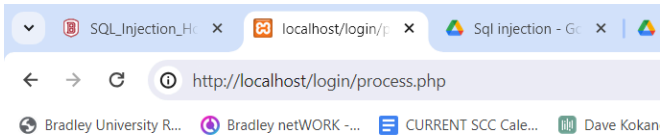




Sql injcetion test!

User Name or 1=1-- Password as you wish

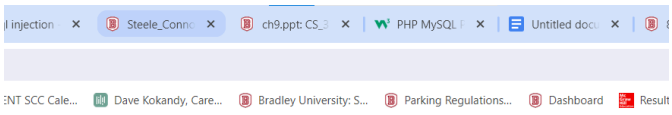
Login



failure

Homework:

```php

// Create connection #servername, username, password, db
$conn = mysqli_connect("localhost", "root", "","sql injection practice homework");
// Check connection
if (!$conn) {
   die("Connection failed: " . mysqli_connect_error());
}
//echo "Connected successfully";

//mysql_select_db("class",$con);

//$username = stripcslashes($username);
//$password = stripcslashes($password);
//$username = mysqli_real_escape_string($conn, $username);
//$password = mysqli_real_escape_string($conn, $password);

// prepare and bind
$stmt = $conn->prepare("SELECT username, password FROM user_info WHERE username = ? AND password = ?");
$stmt->bind_param("ss", $username, $password);

// set parameters and execute
$stmt->execute();

//Store the results
$stmt->store_result();

if ($stmt->fetch()) {
    echo 'success';
} else {
    echo 'failure';
}

$stmt->close();
$conn->close();
```



Sql injcetion test!

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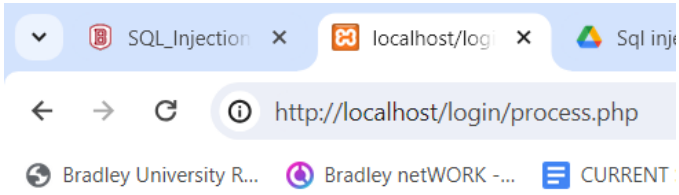
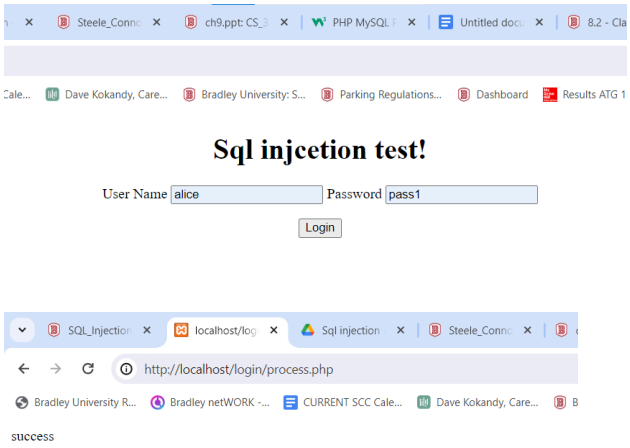


failure

Query Test:



Homework Part 2: