Problem: Can you log into the system?

Hint: There is a database storing login information, maybe it can be injected.

Given: login.phps

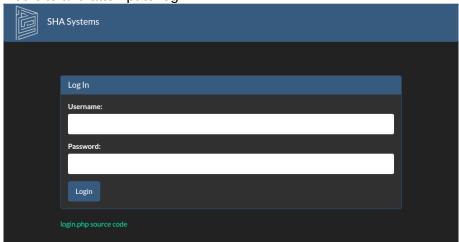
Note: Structured Query Language, or SQL, is a database managing programming language. SQL stores information in the form of tables. A table is a collection of related data entries and it consists of columns and rows.

```
+-----+
| user_id | username | password |
+-----+
| 1 | admin | adminpass |
| 2 | user | userpass |
+-----+
```

More info on SQL injection: http://www.w3schools.com/sql/sql injection.asp

## Steps:

1) Visit the linked site and attempt to login.



2) The login will fail. Notice that at the bottom of the login is a link to the source code.

There is no input validation for the username and password fields. The php script checks that there is only one result in the SQL query. The query is a concatenation of the input.

Note: MySQL has a command interpreter that can be used to set databases and tables

3) The mySQL table structure:

```
mysql> SELECT * FROM users_tbl;
+-----+
| user_id | username | password |
+-----+
| 1 | admin | adminpass |
| 2 | user | userpass |
+-----+
2 rows in set (0.00 sec)
```

Now to try to get a positive result from our query:

Now there are results, but the script makes sure that only one result was found. We should be able to add a statement to limit our results...