CISC 327
Software Quality Assurance

Review for Mini-Exam #4

Likely topics/questions on mini-exam #3

- P3-intro
  - Black hat vs. gray hat vs. white hat
  - Data vs. information
  - Three aspects of data: CIA

Likely topics/questions on mini-exam #3

- P3-sql:
  - Given a piece of code, identify SQL injection vulnerability
  - Explain **SQL injection payload**
  - Recommendation:
    - Blacklisting?
    - IPS/IDS?
    - Whitelisting?
    - Statement template?

Escaping

```
// create connection
Connection conn = DriverManager.getConnection(myUrl, "root", "");

 // create the query:
String query = "SELECT * FROM users WHERE user_id ='" + user_id + "'";

// create the java statement
Statement st = conn.createStatement();


// execute the query, and get a java resultset
ResultSet rs = st.executeQuery(query);
```

Given a payload, explain the purpose.

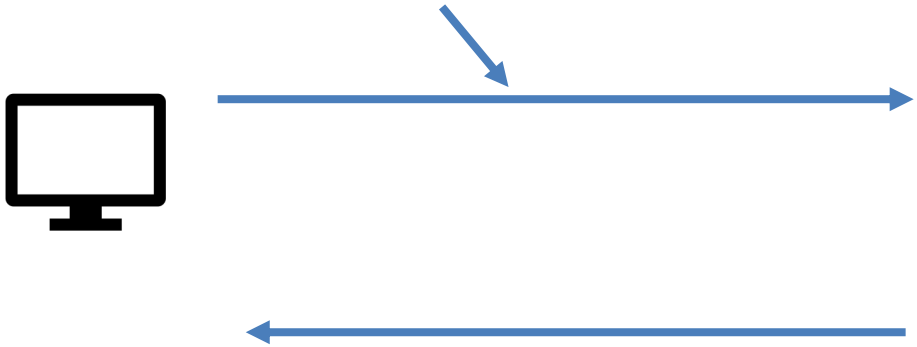
Likely topics/questions on mini-exam #3

- P3-xss:
  - Given a web page and its backend logics, identify XSS
  - Describe steps to launch a reflected XSS
  - Difference between Phishing and XSS

XSS - Example

- Error Page:
  - A single HTML page with JavaScript to display different error message on demand.
  - One doesn't want to create a dedicated page for all possible errors.

http://youronlinebanking.com/error.html?msg=This+is+an+error+message



You encounter an error

This is an error message

HTML template

```
<!DOCTYPE html>
<html>
<body>
<h2>You encounter an error</h2>
<p>message_placeholder</p>
</body>
</html>
```

Replace `message_placeholder` with the actual message

```
<!DOCTYPE html>
<html>
<body>
<h2>You encounter an error</h2>
<p>This is an error message</p>
</body>
</html>
```