**SQL Injection Vulnerability**

**Assignment:** Study and present SQL Injection vulnerability and prepare sample code demonstrating vulnerable and clean implementation of SQL Injection, possibly a simple web application login page with Java programming language.

Please perform the assignment on your own. Here are some resources you may find useful:

Note: Please write nicely formatted, carefully named, readable source code.

* <https://www.owasp.org/index.php/SQL_Injection>
* <http://projects.webappsec.org/w/page/13246963/SQL%20Injection>

Some of the questions that may be asked during interview:

* What is the main reason behind SQL Injection?
* How can SQL Injection be detected from source code?
* How can SQL Injection be detected from running application?
* How can SQL Injection be prevented?

Good luck.