

Secure Coding Review - Step by Step Guide

1. Open the Taskbar: Click on the Windows icon at the bottom left corner of your screen.
2. Search for Command Prompt: Type 'cmd' in the search bar and press Enter.
3. Navigate to your project directory: Use the 'cd' command to move to the folder containing your code.
4. Select the programming language and application you want to audit.
5. Run static analysis tools: For Python, you can use Bandit. Example: 'bandit vulnerable_script.py'.
6. Review output for security vulnerabilities such as code injection, hardcoded passwords, or unsafe functions.
7. Manually inspect code: Check for security issues not detected by tools, like improper input validation.
8. Document findings: Note file name, line number, issue, severity, and confidence.
9. Provide recommendations: Suggest fixes, safer coding practices, and libraries to prevent vulnerabilities.
10. Compile all steps, screenshots, code snippets, and findings into a report for submission.

Sample Python Code:

```
user_input = input('Enter a filename: ')
os.system('cat ' + user_input)
# Warning: Vulnerable to command injection
```