

Step-by-Step Algorithm

1. Start Program
2. Prompt User: "How would you like to work?"
 - Options:
 - a. New Test
 - b. Preset Test
3. If user selects "Preset Test":
 - Load preset commands and tools
 - End Program
4. If user selects "New Test":
 - Ask: "Which tool would you like to use first?"
 - Start at user-specified step or default to Step 1: Recon

Pentest Process Loop (For Each Phase)

Step 1: Recon

5. Run selected Recon tools
6. Prompt: "Would you like to proceed to Step 2?"
 - If Yes, continue
 - If No, End Program

Step 2: Scanning

7. Run selected Scanning tools
8. Prompt: "Would you like to proceed to Step 3?"
 - If Yes, continue
 - If No, End Program

Step 3: Vulnerability Analysis

9. Run selected Vulnerability Analysis tools
10. Prompt: "Would you like to proceed to Step 4?"
 - If Yes, continue
 - If No, End Program

Step 4: Exploitation

11. Run selected Exploitation tools
12. Prompt: "Would you like to proceed to Step 5?"
 - If Yes, continue
 - If No, End Program

Step 5: Reporting

13. Run selected Reporting tools
14. Prompt: "Would you like to save this toolset?"
 - If Yes, go to Step 15
 - If No, go to Step 16
15. Save toolset to user's library (configuration)
16. Prompt: "Is there anything else needed?"
 - If Yes, return to Step 4 (select another step or repeat tools)
 - If No, End Program