For each of the following programs, include the source code for the script(s), together with an appropriate number of screenshots demonstrating their operation.

42. Write a PHP script that uses sessions to track a user’s preferences as they visit a sequence of pages.

43. Write a PHP script with a source code injection vulnerability. Demonstrate how to exploit the vulnerability.

44. Show how to manipulate a .gif image so that it can be used to exploit a PHP script with a source code injection vulnerability.

45. Show how an attacker can use a web server’s own log files to exploit a PHP script with a source code injection vulnerability.

46. Write a PHP script with a vulnerability caused by automatic variable registration. Show how to exploit it.

47. What steps should be taken in a script to avoid problems caused by automatic variable registration?