

1. **Review Question 10.2** List the three distinct types of locations in a process address space that buffer overflow attacks typically target.
2. **Review Question 10.3** What are the possible consequences of a buffer overflow occurring?
3. **Review Question 10.9** Describe what a NOP sled is and how it is used in a buffer overflow attack?
4. **Problem 10.2** Rewrite the program shown in Figure 10.1a so it is no longer vulnerable to a stack buffer overflow.
5. **Problem 10.3** Rewrite the program shown in Figure 10.5a so it is no longer vulnerable to a stack buffer overflow.
6. **Problem 10.4** Rewrite the program shown in Figure 10.7a so it is no longer vulnerable to a stack buffer overflow.
7. **Review Question 11.3** List some possible sources of program input.
8. **Review Question 11.6** Define a cross-site scripting attack. List an example of such an attack.