Assignment 8
The due date for submitting the assignment has passed. 
As you can see, you have not submitted this assignment.
Due on 2019-09-35, 20:58 IST.

1. A program randomly places the position of all variables in the stack and thereby making it difficult to perform buffer overflows. 
   - True 
   - False
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes:

2. Match the following:
   - Buffer Overflow
   - Buffer Overflow
   - Buffer Overflow
   - Buffer Overflow
   a. 1. Initiate vector number which deactivates buffer overflow
   b. 2. Buffer sequence of instructions ending in a return
   c. 3. External error in the stack if the buffer is disabled
   d. 4. Passes correct PHY attacks
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes:

3. How does the NIX prevent buffer overflow attacks?
   - Presents a buffer overflow
   - Presents a certain code from executing in data segments
   - Prevents return address in the stack being replaced by an arbitrary location
   - NIX is not used
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes:

4. An NCP attack can potentially be detected at run-time by:
   - Checksum
   - The number of true statements executed in the processor
   - The number of true statements present in the execution
   - A non-executable stack
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes:

5. In Bell Labs policy, traffic from top secret systems will never flow to secret systems unless: 
   - No, the answer is incorrect.
   - Assigned: Incorrect
   Notes:

6. A user with secret clearance decides to transfer information to another third party and it will never to change in the confidential class.
   - This breach of information can not be prevented by:
   - Implementing access control
   - Implementing Bell-LaPadula model
   - Implementing the Biba model
   - None of the above
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes:

7. Program P has found the source code has a buffer overflow vulnerability caused by strange instruction. He then used strmpy in place of strmpy to prevent buffer overflows vulnerabilities. Which of the following is True?
   - Buffer overflows vulnerabilities caused that string is avoided due to bounds check
   - The source buffer attack will not occur in the source code
   - None of the above
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes: Buffer overflow vulnerabilities caused due to string is avoided due to bounds check

8. Consider the following instructions in a system that supports discretionary access control:
   - command ACCESS (CMD,STK,SO)
   - Enter in AED STK
   - End
   - command AED PRIVACY LSTK if $F or $U, $V or $G
   - End
   Which one of the following statements is TRUE?
   - A. There is no need for guards due to these commands
   - B. A manager may occur when an end user of a stack, executes COMMAND with
   - C. A manager may occur when a user with write permissions, executes AED PRIVACY command
   - Only A is correct
   - Only B is correct
   - Both A and B are correct
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes: None of the above

9. The impact manager who is to ensure that a particular source code is free from buffer overflow vulnerabilities, which of the following would you need to test for:
   - Local code
   - String in the code
   - For tests that manipulate arrays
   - All of the above
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes: String in the code

10. A user with address is paged:
   - Through address parameters are passed onto the stack
   - When address is paged
   - No special call parameters
   - No special flags
   No, the answer is incorrect.
   Assigned: Incorrect
   Notes: None of the above