

Professional Online Academy Vu Topper RM



CS-627 Cyber Security
Update MCQ'S Final Term
By Vu Topper RM



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Question No:1

(Marks:1)

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What is a primary reason for the continued concern over Buffer Overflow Attacks?

- A. Advanced prevention techniques
- B. Lack of awareness among programmers
- C. Use of high-level programming languages
- D. Legacy code in widely deployed systems**

Question No:2

(Marks:1)

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What kind of programming languages are less vulnerable to Buffer Overflow Attacks?

- A. Low-level languages
- B. Object-oriented languages
- C. High-level languages**
- D. Assembly languages

Question No:3

(Marks:1)

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What is "shellcode" in the context of Buffer Overflow Attacks?

- A. A defensive programming technique
- B. Software used to prevent buffer overflows
- C. Code supplied by an attacker, often saved in a buffer being overflowed**
- D. A type of encoding technique for data input

Question No:4

(Marks:1)

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What is the OWASP Top 10?

- A. A group of security experts
- B. A list of web application security risks**
- C. A list of security solutions
- D. Top 10 secure programming languages

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Question No:5

(Marks:1)

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Which of the following results in a first widely known Buffer Overflow Attack?

- A. Code Red worm
- B. ILOVEYOU
- C. Morris worm**
- D. SQL Slammer

Question No:6

(Marks:1)

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What is the purpose of using fuzzing as a method to identify vulnerable programs?

- A. To enforce range checks on variables
- B. To automate the process of finding buffer overflow vulnerabilities**
- C. To inspect program source code
- D. To trace program execution

Question No:7

(Marks:1)

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Which type of Buffer Overflow Defense manipulates the location of key data structures?

- A. Run-Time Defenses
- B. Safe Coding Techniques
- C. Compile-Time Defenses
- D. Address Space Randomization**

Question No:8

(Marks:1)

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What is a Buffer Overflow?

- A. A method used to execute shellcode
- B. A programming error that overwrites adjacent memory locations**

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- C. An attack on a computer's memory structure
- D. A type of web application vulnerability

Question No:9

(Marks:1)

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Which programming practice can help in reducing software vulnerabilities?

- A. Writing code with strong assumptions about inputs
- B. Applying structured design and testing methods**
- C. Using low-level programming languages
- D. Not testing the software for potential vulnerabilities

Question No:10

(Marks:1)

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Which security flaw is NOT included in the OWASP Top 10?

- A. Buffer Overflow**
- B. Denial-of-Service
- C. Un-validated Input
- D. Cross-site Scripting

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