

F2.4.4 - Quiz - Viruses, Worms, Spyware & Adware

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Seat 99 (Grade level 13)

Cyber Capstone

0. What is the primary purpose of a while loop in shell scripting?

- A. Executes a set of commands as long as a specified condition is false.
- B. Executes a set of commands as long as a specified condition is true.
- C. Iterates over a sequence of numbers.
- D. Executes a set of commands until a specified condition is met.

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1. What are viruses and worms?

- A. Types of harmless software used for system maintenance.
- B. Types of malware characterized by their ability to self-replicate.
- C. Security measures implemented by antivirus software.
- D. Operating system features designed to prevent unauthorized access.

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2. What distinguishes viruses from worms?

- A. Viruses require user interaction to spread, while worms can spread independently.
- B. Viruses attach themselves to system processes, files, or programs, while worms do not.
- C. Viruses only affect local networks, while worms can spread across wide area networks.
- D. Viruses are always harmful, while worms can sometimes be benign.

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3. What is a characteristic of worms in terms of self-replication?

- A. They require user interaction to spread.
- B. They do not need to rely on programs to spread.
- C. They can only spread within a local network.
- D. They can only replicate by infecting other worms.

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4. How can viruses and worms affect a target?

- A. By infecting specific programs on a computer.
- B. By encrypting sensitive data on a local network.
- C. By spreading to the boot sector of the computer.
- D. All of the above.

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5. What is a recommended defense against viruses?

- A. Implementing least privilege and monitoring file modifications.
- B. Utilizing intrusion detection and prevention systems.
- C. Restricting the level of privilege users and processes natively run in.
- D. All of the above.

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6. What is a common defense measure against both viruses and worms?

- A. Regularly updating antivirus software.
- B. Disabling system processes to prevent malware attachment.
- C. Encrypting all files on the computer to prevent unauthorized access.
- D. Ignoring system alerts and error messages.

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7. What is adware?

- A. Software that monitors computer and internet usage.
- B. Software that comes pre-installed on a device by the manufacturer.
- C. Software that installs extra components to deliver additional advertising, often in the form of pop-up ads.
- D. Software that consumes system resources and takes up storage space.

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8. How does adware affect computer performance?

- A. It speeds up computer performance by optimizing system resources.
- B. It slows down computer performance by increasing network traffic.
- C. It has no impact on computer performance.
- D. It improves system functions by providing additional features.

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9. What is a common method of distributing adware?

- A. Pre-installing it on devices by manufacturers.
- B. Bundling it with free software downloads.
- C. Selling it as a standalone product.
- D. Sending it through email attachments.

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10. How is spyware different from adware?

- A. Spyware delivers additional advertising to a computer.
- B. Spyware comes pre-installed on devices by manufacturers.
- C. Spyware monitors computer and internet usage.
- D. Spyware installs extra components to disrupt system functions.

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11. What type of data does spyware typically monitor?

- A. Website visit history and browsing habits.
- B. System resource usage.
- C. Installed software applications.
- D. Computer hardware specifications.

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12. What is bloatware?

- A. Software that monitors computer and internet usage.
- B. Software that installs extra components to deliver additional advertising.
- C. Software that comes pre-installed on devices by manufacturers and consumes system resources.
- D. Software that speeds up computer performance by optimizing system resources.

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13. Why do manufacturers pre-install bloatware on devices?

- A. To optimize system performance.
- B. To generate additional revenue through partnerships with software developers.
- C. To provide essential features to users.
- D. To enhance security measures.

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