Important cybersecurity tools

Core cybersecurity knowledge and skills

Review: Cybersecurity tools and programming languages

▶ **Video:** Wrap-up
42 sec

⊕ **Reading:** Glossary terms from week 4
10 min

✓ **Quiz:** Weekly challenge 4
9 questions

Congratulations on completing Course 1!

✓ **Congratulations! You passed!**

Weekly challenge 4

Grade received 100%	Latest Submission Grade 100%	To pass 80% or higher

Quiz • 45 min

Retake the assignment in **23h 56m**

Go to next item

Review Learning Objectives

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1. Which of the following statements correctly describe logs? Select two answers.   **1 / 1 point**

- ☑ A log is used as a formal guide to incident response.
- ☐ Security professionals use logs to query databases.
- ☑ Logs help identify vulnerabilities and potential security breaches.

   ✓ **Correct**

- ☑ A business might log errors that occurred as a result of high network traffic.

   ✓ **Correct**

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Your grade
100%

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2. Which of the following tasks can be performed using SIEM tools? Select three answers.   **1 / 1 point**

- ☑ Providing alerts for specific types of risks

   ✓ **Correct**

- ☑ Proactively searching for threats

   ✓ **Correct**

- ☐ Notifying authorities of illegal activity
- ☑ Performing incident analysis

   ✓ **Correct**

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3. Fill in the blank: Instead of reviewing pages and pages of logs to determine if there are any new security threats, analysts can use _____ tools, which provide alerts for specific types of threats and risks.   **1 / 1 point**

- ○ programming language
- ● security information and event management (SIEM)
- ○ network protocol analyzer (packet sniffer)
- ○ operating system

   ✓ **Correct**

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4. Fill in the blank: A security professional uses a _____ as a manual to guide operational activities.   **1 / 1 point**

- ○ spreadsheet
- ● playbook
- ○ review
- ○ toolkit

   ✓ **Correct**

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5. As a security analyst, you are monitoring network traffic and detect a large number of failed login attempts. Which of the following tools would help you investigate this incident? Select two answers.   **1 / 1 point**

- ☑ An intrusion detection system (IDS)

   ✓ **Correct**

- ☑ A network protocol analyzer (packet sniffer)

   ✓ **Correct**

- ☐ A cryptographic encoder
- ☐ A command-line interface

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6. What are some key benefits of programming languages? Select all that apply.   **1 / 1 point**

- ☑ Execute repetitive processes very accurately

   ✓ **Correct**

- ☑ Complete repetitive tasks with a high degree of efficiency

   ✓ **Correct**

- ☐ Implement security protocols
- ☑ Create a specific set of instructions for a computer to execute tasks

   ✓ **Correct**

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7. A security team wants to examine logs to understand what is occurring within their systems. Why might they choose Linux to perform this task? Select two answers.   **1 / 1 point**

- ☐ It is proprietary.
- ☑ It is open source.

   ✓ **Correct**

- ☑ It allows for text-based commands by users.

   ✓ **Correct**

- ☐ It is an efficient programming language.

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8. Fill in the blank: To request information from a _____, security professionals can use SQL.   **1 / 1 point**

- ○ network
- ○ spreadsheet
- ● database
- ○ dashboard

   ✓ **Correct**

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9. What are some key benefits of using Python to perform security tasks? Select all that apply.   **1 / 1 point**

- ☑ It simplifies repetitive tasks.

   ✓ **Correct**

- ☐ It makes static data more dynamic.
- ☑ It helps security professionals be more accurate.

   ✓ **Correct**

- ☑ It is designed for high levels of accuracy.

   ✓ **Correct**