

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!

Grade received 97.22%

Latest Submission Grade 97.22%

Weekly challenge 4

To pass 80% or higher

Go to next item

Review Learning Objectives

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

1 / 1 point

- ☒ Logs help security professionals identify potential security breaches.
- ☒ Security professionals use logs to query databases.
- ☐ A log is used to provide incident response.
- ☐ A business might log errors that occurred as a result of high network traffic.

✔ Correct

Due Jun 18, 11:59 PM +08

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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 and threats
- ☒ Helping security analysts identify potential breaches
- ☒ Collecting and analyzing data
- ☐ Requesting security data from government agencies

✔ Correct

✔ Correct

✔ Correct

3. A cybersecurity analyst is tasked with proactively searching for threats and performing incident analysis. What type of tool should they use?

1 / 1 point

- ☐ Linux operating system
- ☒ Security information and event management (SIEM)
- ☐ Chain of custody playbook
- ☐ Structured Query Language (SQL)

✔ Correct

4. Fill in the blank: Security professionals use _____ to help them manage a security incident before, during, and after it has occurred.

1 / 1 point

- ☐ programming
- ☒ playbooks
- ☐ charts
- ☐ spreadsheets

✔ Correct

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)
- ☒ A network protocol analyzer (packet sniffer)
- ☐ A cryptographic encoder
- ☐ A command-line interface

✔ Correct

✔ Correct

6. What are some key benefits of programming languages? Select all that apply.

1 / 1 point

- ☒ They complete tasks faster than if working manually.
- ☒ They reduce the risk of human error.
- ☒ They create a specific set of instructions for a computer to execute tasks.
- ☐ They describe how data is organized.

✔ Correct

✔ Correct

✔ Correct

7. What term is used to describe publicly available systems, such as Linux?

1 / 1 point

- ☐ Free-for-all
- ☒ Open-source
- ☐ Restricted
- ☐ Unregulated

✔ Correct

8. Fill in the blank: A database is a _____ of organized data stored in a computer system.

1 / 1 point

- ☐ frame
- ☐ model
- ☐ visualization
- ☒ collection

✔ Correct

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

0.5 / 1 point

- ☒ It makes static data more dynamic.
- ☒ It simplifies repetitive tasks.
- ☒ It helps security professionals be more accurate.
- ☐ It is designed for high levels of accuracy.

✘ This should not be selected

Please review [the video on programming languages](#).

✔ Correct

✔ Correct