

## QUIZ

This type of testing involves verifying the security and correctness of the encryption and decryption processes in a system.

File exposure testing

Encryption testing



Correct! Encryption testing involves verifying the security and correctness of the encryption and decryption processes in a system.

Cross-Site scripting testing

Which one of these are NOT best practices or ethical considerations that we need to keep in mind when using AI?

No model is perfect.

Don't assume that the information you give the AI via prompt will be kept secure.

New tool doesn't mean existing best practices are rendered obsolete.

Be sure to ask AI to give you ethical answers.



Correct! This is not a best practice and ethical consideration when using AI.

The techniques that are used to create reliable software are also used to \_\_\_\_\_.

...debug software.

...eradicate malware.

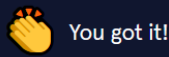
...create secure software.



Correct! The techniques that are used to create reliable software are also used to create secure software.

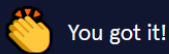
Fill in the blank.

✓ **Cross-site scripting prevention testing** involves checking that your web application properly escapes user input so that it is not executed as code in the browser.



Fill in the blank.

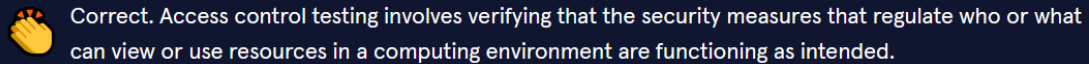
When creating input validation tests, we want to systematically verify that an application's inputs correctly handle a wide range of data, including valid, invalid, and ✓ **unexpected inputs**.



True or False:

Encryption testing involves verifying that the security measures that regulate who or what can view or use resources in a computing environment are functioning as intended.

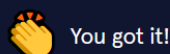
False. Encryption testing does NOT involve verifying that the security measures that regulate who or what can view or use resources in a computing environment are functioning as intended.



True. Encryption testing involves verifying that the security measures that regulate who or what can view or use resources in a computing environment are functioning as intended.

Fill in the blank.

✓ **File exposure testing** involves checking whether a web application or script improperly exposes files and directories to users.



Fill in the blank.



**Cross-site scripting** is a security vulnerability that allows attackers to inject malicious scripts into web pages viewed by other users.



You got it!

\_\_\_\_\_ is a process where you check if the data provided by a user or another system meets specific criteria before processing it.

Output validation

Input validation



Correct! Input validation is the process where you check if the data provided by a user or another system meets specific criteria before processing it.

Data validation