

QUIZ

Complete the sentence below:

A cryptographic failure is a failure of cryptography or a failure of ...

the implementation or use of cryptography.



Good job! A cryptographic failure is a failure of cryptography or a failure of the implementation or use of cryptography.

a system that is designed to preserve secrets.

the computer that the cryptography is performed on.

a system that uses cryptography.

True or False: Cryptographic failures are mostly minor issues.

True, cryptographic failures are mostly minor issues.

False, cryptographic failures are NOT mostly minor issues.



Good job! Cryptography is usually integral to maintaining security. A failure is bad news!

Which of the following is least likely to be the root cause of a cryptographic failure?

A flaw in a cryptographic algorithm itself.



Good job!

The improper use of cryptography.

The improper implementation of cryptography.

True or False; A cryptographic failure can compromise Confidentiality, Integrity, and Availability.

True, a cryptographic failure can compromise Confidentiality, Integrity, and Availability.



Good job!

False, a cryptographic failure can NOT compromise Confidentiality, Integrity, and Availability.

True or false: Cryptographic Failures are almost always caused by the improper implementation or use of cryptography.

False, Improper implementation or use is NOT almost always the cause of cryptographic failures.

True, Improper implementation or use is almost always the cause of cryptographic failures.



Good job!

Which of the following options would not count as a Cryptographic Failure?

An incorrect implementation of cryptography.

A fundamental flaw in a cryptographic algorithm.

An incorrect application of cryptography.

The use of cryptography for malicious purposes.



Good job!

Due to a configuration error, a database that should have been encrypted was left in cleartext. Which of the following best describes the failure?

A failure in the use of cryptography.



Good job! Cryptography won't help you if you don't use it!

A failure of the cryptography itself.

A failure in the implementation of cryptography.

The use of an insecure random-number generator for key generation allows an attacker to crack the encryption protecting a database. Which of the following best describes the failure?

A failure in the implementation of cryptography.



Good job! The encryption itself wasn't the issue, nor was how it was used.

A failure of the cryptography itself.

A failure in the use of cryptography.