

Kingdom of Saudi Arabia
Ministry of Education
Imam Mohammed bin Saud Islamic University
Applied College
Cybersecurity program
Cybersecurity Design Principles



Quiz#1

Name:..... ID:..... Section#:324

Q1: Choose the correct answer:

- Which one of the following is NOT one of the security concerns:
A. Mobility.
B. Availability.
C. Traceability.
D. Integrity.
- What is the Design definition:
A. It means data is at hand in a timely manner.
B. It means secure software development.
C. It is the guiding principle for how a system is built and is applicable on all levels, from code to architecture.
D. It is protecting computer systems from unauthorized access or being otherwise damaged or made inaccessible.
- The Design approach is better than:
A. Confidential approach.
B. Security approach.
C. Concern approach.
D. Traditional approach.
- Why is the traditional approach considered problematic?
A. Because it will make the software developer explicitly think about security.
B. Because it requires every developer to be a security expert.
C. Because it requires every developer to know the unknowable.
D. All of the Above.

Q2: Put (T) for correct sentences and (F) for wrong sentences:

- Cyber security focuses on the need to know who changed or accessed what data. (F)
- One of the Design approach advantages is that non-security experts can naturally write a secure code. (T)
- A strong design focus lets you create code that's less secure compared to the traditional approach to software security. (F)
- Every Software developer should be a security expert. (F)

Commented [R.1]: Traceability

Commented [R.2]: more

Commented [R.3]: should NOT be

All the best

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Q3: Define the following terms. 1 point

(a) Integrity

Refers to when it's important that the information doesn't change or is only allowed to change in specific, authorized ways.

(b) Traceability

It captures the need for knowing who changed or accessed what data when.

All the best