What is special about data in an enterprise from a security perspective?

Select one:

A. Customer data stored

B. Nothing special about enterprise data

C. Employee data stored

D. Confidential data stored

E. Payments/financial data stored

What are the security problems associated with Internet based Applications?

Select one:

A. All of the answers

B. Unexpected data formats submitted by clients

C. Complex systems, so multiple attack vectors

D. Potentially Many ports open

E. Many external clients

According to OWASP what is the top security risk

Select one:

A. Using Known Vulnerabilities

B. Injection attacks

C. Broken Authentication

D. Sensitive Data Exposure

E. Security Misconfiguration

What types of Web Applications are open to Injection Attacks

Select one:

A. None of the answers

B. All database driven applications

C. All database driven applications with user input

D. All applications

E. All applications with user input

How does SQL injection attacks work

Select one:

A. The submitted text is SQL rather than the actual user data

B. The submitted text includes additional SQL as well as the user data, and an SQL statement end ";" and comment symbol

C. The submitted text includes additional SQL as well as the user data

D. The submitted text includes additional SQL as well as the user data, and an SQL statement end ";" and comment symbol with a comment which shows how the code runs

E. None of the answers

How do we protect against SQL injection attacks

Select one:

A. All the answers

B. Use criteria API

C. Use libraries like JPA with parametrised values that guard against SQL injection

D. Sanitise user input, validate against SQL content etc

E. None of the answers

What is the problem with storing passwords in plain text in the database

Select one:

A. The administrator can see the password

B. If the password is encrypted in transmit, it will need to be unencrypted

C. None of the answers

D. The password would be compromised if the database is compromised

E. All of the answers

What's the problem of storing hashed passwords

Select one:

A. Passwords would have to be reset rather than recovered

B. If the database is compromised, the passwords can be discovered by rainbow attacks

C. None of the answers

D. If the database is compromised, the passwords can be discovered by brute forced

E. All the answers

What's the advantage of password salting

Select one:

A. Answer X: If the database is compromised, each password must be brute forced

B. Answer Y: If the database is compromised, a rainbow attack can not be used

C. Answer Z: The administrator will not be able to crack the password

D. Answers X and Y

E. All the answers