What are the reason for using nested classes

a. They provide a way of logically grouping classes that are only used in one place.
b. They can lead to more complex and harder to maintain code.
c. They decrease encapsulation.
d. They are always necessary for every class design.

What is a potential drawback of not using nested classes?

a. Increased readability of the code.
b. Decreased maintainability of the code.
c. Enhanced encapsulation.
d. Simpler class design.

How can a static nested class interact with instance members of its outer class?

a. Directly, without any restrictions.
b. Only through an object reference of the outer class.
c. Through static methods of the outer class.
d. By being declared as public.

Why is serialization of inner classes discouraged?

a. Because inner classes cannot be serialized at all.
b. Because synthetic constructs created by the Java compiler can vary among different implementations.
c. Because it always leads to security vulnerabilities.
d. Because it increases performance overhead.

What are the two main types of data in Java?

a. Primitive and Reference
b. Static and Dynamic
c. Local and Global
d. Primary and Secondary

What class handles byte streams for input in Java?

a. FileReader
b. InputStreamReader
c. FileInputStream
d. BufferedWriter

Which class is used for reading characters from a file in Java?

a. FileReader
b. FileInputStream
c. BufferedWriter
d. FileOutputStream