

Pre Lab Questions

1. What is Java and why is it considered a platform-independent programming language?
2. Describe the difference between a class and an object in Java.
3. What is the purpose of the "main" method in a Java program, and what is its required signature? Explain
4. How are comments denoted in Java, and what is their significance in a program?
5. Explain the main characteristics of object-oriented programming and how Java supports them.
6. Describe the difference between "==" and ".equals()" when comparing objects in Java.
7. How does garbage collection work in Java, and why is it important?
8. Explain the concept of "write once, run anywhere" in Java.
9. Differentiate JDK, JRE, and JVM in the context of Java development.
10. Enumerate various access modifiers in Java and how do they affect class members' visibility?