**Android Questions**

1. List and explain the 5 components of the Android application Architecture.
2. List the basic tools used to develop an android app.
3. Discuss any 3 advantages of android.
4. Explain what an activity is?
5. What is the purpose of these two lines of code in an android program?

Intent i = **new** Intent(getApplicationContext(), ActivityTwo.**class**);

startActivity(i);

1. Explain the **difference** between Explicit and Implicit Intents in Android.

**Inheritance & interfaces**

1. The idea behind inheritance in java is that you can create new classes that are built upon existing classes and interfaces and interfaces that are built upon existing interfaces. The terms **extends** and **implements** are used to describe these relationships. Use the appropriate symbol to denote the inheritance between two classes, a class and an interface and an interface and an interface. Also use the terms extends or implements to describe the relationships.

Class

Class

interfacee

Class

interface

interface

1. Explain the difference between overloading and overriding.
2. Explain why multiple inheritance is not supported through class in java but it is possible by interface.
3. Explain the differences between an interface and an abstract class

**JDBC Questions**

1. What does JDBC stand for? Explain the purpose of a JDBC driver is.
2. Outline the basic steps to create a JDBC application
3. List the 6 common JDBC API components?
4. Explain the purpose of a connection, Resultset and a statement.
5. The Class.forName() method loads the driver class file into memory, does it mean it imports the driver class using import statement?
6. OO systems employ the 3-tier design model consisting of three categories of classes. Name and explain these 3 categories of classes
7. There are two approachesto making objects persistent: attribute storage and object storage.
8. Data storage and retrieval tasks are placed in a DA class for two reasons. Name and explain briefly the 2 reasons.
9. Explain how theBoolean method next() of the ResultSet interface works.