Unit -4: Inheritance & Packaging

Assignments:

1. What do you mean by the term inheritance in Java? What are the benefits of inheritance? Explain the various forms of inheritance supported by JAVA with suitable code segments.

2. Write a program to create and use java package.

3. Why multiple inheritance is not supported in java using classes? Explain the method by which multiple inheritance can be achieved in java with suitable example.

4. Explain various access modifiers in Java. What are the benefits of package? How to create a package in Java? Explain with suitable java code segment.

5. When to use super keyword? Explain with suitable example.

6. Write short notes on the following:
   a. super keyword
   b. extends keyword
   c. final classes

7. Design a class that holds the following personal data: name, address, age and phone number. Write appropriate accessor and mutator methods. Demonstrate the class by writing a program that creates three instances of it. One instance should hold your information, and the other two should hold your friends or family members information.