1. Write a program in Java to demonstrate the following concept. Also show that the class which has not been inherited to the child class those data members or methods is in-accessible to the child class.

   a. Single inheritance.
   b. Multi-level inheritance
   c. Hierarchical inheritance

2. Write a program to show method overriding for two different classes, one is company and others are amazon and flipkart. Both of them contain the method address which is defined in the company. Address method of both companies should have its own address as well as the name of its CEO. Override the method and invoke it through the main class.