

1. Illustrate the execution of constructors in multi-level inheritance with three Java classes - plate(length, width), box(length, width, height), wood box(length, width, height, thick)
2. Write a program in java to define a class Shape which has data member „area" and a member function showArea(). Derive two classes Circle and Rectangle from Shape class. Add appropriate data members and member functions to calculate and display the area of Circle and Rectangle.