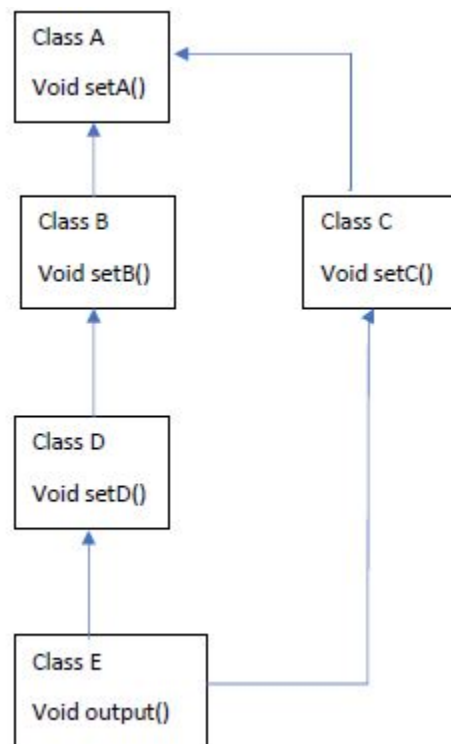


## Assignment 6

- i Create a class rectangle with member data to represent length, breadth and area. Use appropriate member functions to read length and breadth from user and to calculate area of a rectangle. Next create a derived class called box from class rectangle. Use appropriate member function to read height and to calculate volume of box.
- ii Create a class student with two member data name and roll. Derive a class marks from student that has additional data members, session1, session2 to store session marks. Derive another class result from marks and add the session marks. Use appropriate member functions to read and display data in class.
- iii Create a class student with two member data to represent name and age of student. Use member functions to read and print data. From this class derive a class called boarder with a member data to represent room number. Derive another class called dayscholar from the class student with a member data to represent address of student.
- iv Create the following inheritance and find the total of each value from the individual class



- v) How the ambiguities in multiple inheritance due to the function name can be solved? Use a program to demonstrate this solution.
- vi) Create a class name general\_info having name, age, address with read() function (to enter the required field) and display() function (to display the required information). Create academic\_info class to read degree and display the information. Create another class employee to read and display status. Solve this problem using nesting of classes.