1. Write a Program in C++ that does the following:
    - Contain 4 classes, namely master, squr, avg , ordr.
    - master class in a way plays the role of a master or controller.
    - First, a method in master will take an integer number input from the user.
    - This number is sent to the class squr by master.
    - squr will use one of its methods to calculate "square" of the number and returns
      the result to master.
    - master will then send this result from squr, along with 2 more integer numbers to
      the "avg" class.
    - avg class will take these 3 numbers, calculates the average and returns the same to
      master.
    - Now master will take the result of avg, and along with the same will send another 5
    integer numbers to ordr class.
    - ordr class will take all the numbers, calculates largest and smallest of these numbers,
    and sends back the same to master.
    - master also displays the result(s) of avg, squr and ordr.

    **NOTE: Use any number of methods in any of the classes. Use any technique to return
    Values from any method(s). Make sure mandates not compromised.**

2. Write a Program in C to implement a doubly linked list with the following features/clauses:
    - DLL contains 16 nodes, each with an integer value as data
    - insertion and deletion of nodes should be allowed with the following protocol
                - any insertion can happen only at position 4 or position 8.
                For every data that needs to be inserted, user should also input its position (4 or 8)
                - After every insertion operation, the whole DLL should be displayed.
                - Deletion of node can happen only at position 3. This means, once the deletion
                  option is selected by the user, the node at position 3 should be the one deleted.
                - After every deletion operation entire DLL should be displayed.

3. Write a program in java that showcases:
                - String Pool
                - Abstract class
                - Wrapper class "Integer"
                - Working of Constructor

    A single program should show all the above features. The output should convince us of the
    working of these concepts.