Object Oriented Programming 1
Spring 2015-16
Lab Manual: 04

Lab Task:

1. Lab Review, and start with unfinished classes from Lab_03
2. Develop Java classes

Note: Student must follow the exact name of class, member variables, and functions.
And students should use fully qualified names for these, as well camel notions.
And the syntax alignment has to be as it should be.

1.Lab_03 Classes – Review:

2. Develop Java Classes:

Up-gradation of Account class		
Account	accId, accName, accBalance use all the previous methods and constructors	
Extended part (We want to preserve history of transactions for each account object. To do so we need to develop one more class name Transaction)		
Transaction	Account sender Account receiver int amount String additionalInfo 2 constructor showInfo()	
In the Account class use one/two more member variable to store transaction information and necessary member functions.		
	Transaction [] listOfTransaction // M.V int totalNumberOfTransaction // M.V void addTransaction(Account sender, Account receiver, int amount) void showAllTranscation()	

We want to reuse both Student and Course class. But we want to update both class (add required member variable and functions) so that both type object can interact. Our objective is to provide below functionality:
1. Student can take/enroll max 5 courses.
2. In each course max 30 student can enroll
3. Student can add/drop course, and then automatically that course register student list will also be updated, as well as for student registered list.
4. Show all the courses that a student is registered
5. Show all the students that are enrolled in a course.

You have to add necessary member variables and functions to do these tasks.