**Lab 9**

**Implement the following for Java Nested classes**

1. Extend the BankAccount class to create a BankAccountMonitored class:
   1. This will have an Action class (defined in slides).
   2. Add a new member variable to the Action class called tid (transaction id). It will be private and of type int.
   3. This will also maintain a Doubly Linked List of Actions in every object.
   4. Create objects of BankAccountMonitored class and do transactions.
   5. Give methods which will output
      1. the entire Actions Doubly LinkedList,
      2. only withdrawals,
      3. only deposits.
      4. The transaction in the order ( 1st transaction , 2nd transaction , 1rd transaction)
   6. Remove a transaction from the doubly LinkedList given the transaction id.