MULTITHREADING & GUI

1. Write a java program for the following scenario.

   Maintain a bank account of customers. Several transactions, such as deposit some amount to an account and withdraw some amount from an account etc. are possible. Now, for a given account, if two or more transactions come simultaneously then only one transaction should be allowed at a time instead of simultaneous transaction processing so that data inconsistency will never occur.

2.

   a. Create two threads named 'Hare' and 'Tortoise'. The threads created should run 100 meters and the thread which finishes first 'wins the race'. When one of the threads wins the race, stop the second thread.
      Start both the threads and observe which thread finishes first.
   b. Since the Hare is faster than Tortoise, set a high priority to Hare thread and observe the results.
   c. Now modify the program so that the 'Hare' thread 'sleeps' for 1000 milliseconds after running 60 meters. Observe which thread wins the race.

3. Create a Table with some dummy row data, and implements functions to add a new empty row, delete the selected row and delete all rows, as corresponding to the popup menu's commands.
   Sample run: