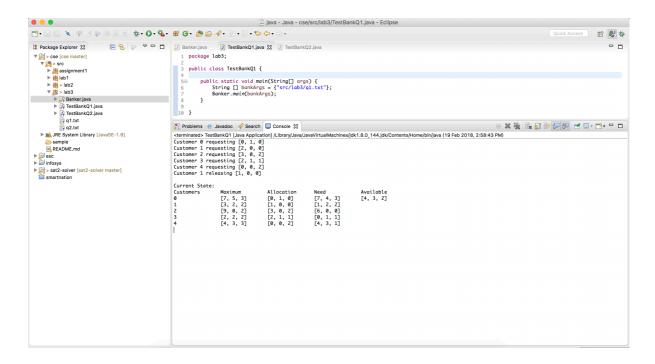
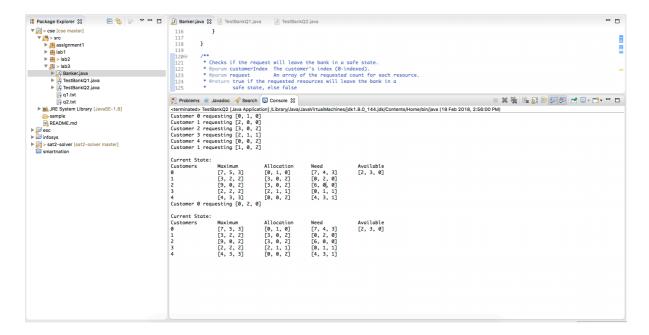
Lim Yao Jie 1001997 Lab3





Banker algorithm complexity

The majority of the complexity lies in the safety check algorithm. The complexity of the inner for loops are $O(m^*n)$, given n customers and m resources. The outer while loop runs at a worst case time of O(n) meaning the code runs ultimately at $O(n^*n^*m)$.