Danny Tan

Dt1462

CS 2134

HW#3

1. It first prints out 6, the middle number. Then 4 is erased from the vector and the elements after is shifted. Then it prints out 2. Then it prints out 5 which was shifted because 4 was erased. Then it prints out 9 which was also shifted because 4 was erased. Then it prints out 7 which is now the middle number because 4 was erased.
2. O(n)
3. a) itrStart = a.begin()

itrEnd = a.end()

itrMid = a.begin() + (a.begin + a.end()) / 2

b) itrStart = a.begin()

itrEnd = a.end()

itrMid = a.begin() + (a.begin + a.end()) / 2

1. a) Will print 4

b) Won’t compile because list iterator is bidirectional so it doesn’t support +(int) can only increment and decrement

c) Will print 5

d) Won’t compile because the vector declared is a vector of int so the iterator should be a vector of int iterator however, the iterator provided is an iterator of char