**Problem 2**

//the method take in a list

public static int longestSortedSequence (list)

{

//makes a counter and sets it to 1

int count = 1;

//if the list is empty it will return 0

if (list.size() == 0)

return 0;

else

//for loop to go through the list starting at one

for (int I =1; i <list.size(); i ++)

{

//everytime the number before I is smaller than I count ++ and when it is not it turns it back to 1

for( i > list[i – 1]}

{

count ++;

}

Else (count = 1;)

Return count ;

}

3.

8. public static Boolean isPalindrome

{