1. Max count {

if ( list.isEmpty() == true )

{

return 0;

}

else if ( list.size() == 1)

{

return 1;

}

else {

int numOfOccurrence = 1;

int maxCount = 1;

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

{

If (int [i] == int [i -1])

numOfOccurrences ++;

else

{

if ( numOfOccurences > maxCount )

maxCount = numOfOccurrences;

numOfOccurences = 1;

}

}

return maxCount;

}