Remove duplicate elements in a sorted array

class Solution {

public:

int removeDuplicates(vector<int>& nums) {

int len = nums.size();

int i = 0;

int j = 1;

cout<<len;

while(j<len){

if(nums[i] == nums[j]){

for(int k = j; k < len; k++){

nums[k] = nums[k+1];

}

len--;

}

else{

i = j;

j++;

}

}

return len;

}

};