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<https://github.com/rajdeepsr2007/cpp-assignment>

Q.1.

#include<bits/stdc++.h>

using namespace std;

string removeDuplicates(string s , char last){

if( s.length() == 0 ){

return "";

}

if( s[0] == last ){

return removeDuplicates(s.substr(1) , last);

}else{

return s[0] + removeDuplicates(s.substr(1) , s[0]);

}

}

int main(){

string s;

cin >> s;

s = removeDuplicates(s , '\0');

cout << s;

}

Q.2.

#include<bits/stdc++.h>

using namespace std;

int main(){

int \*arr;

int n;

cin >> n;

arr = new int[n];

for(int i = 0 ; i < n ; i++)

cin >> arr[i];

int ans = INT\_MIN , sum = 0 ;

for( int i = 0 ; i < n ; i++ ){

sum = sum + arr[i];

ans = max( ans , sum );

if( sum <= 0 ){

sum = 0;

}

}

cout << ans;

}

Q.3.

#include<bits/stdc++.h>

using namespace std;

int main(){

int \*arr;

int n;

cin >> n;

arr = new int[n];

int j = 1;

for(int i = 0 ; i < n ; i++)

cin >> arr[i];

int last = arr[0];

for( int i = 1 ; i < n ; i++ ){

if(arr[i]!= last)

{

last = arr[i];

arr[j] = arr[i];

j++;

}

}

n = j;

for( int i = 0 ; i < n ; i++ ){

cout << arr[i] << ' ' ;

}

}