```cpp
///Problem 01

#include<bits/stdc++.h>
using namespace std;
void violation(int array[],int n){

    for(int i=0; i<n; i++){
        for(int j=i+1; j<n; j++){
            if(array[i]>array[j]){
                int temp=array[i];
                array[i]=array[j];
                array[j]=temp;
            }
        }
    }
    cout<<"Violation Fixed : ";
    for(int i=0; i<n; i++){
        cout<<array[i]<<" ";
    }
    cout<<endl;
}
int main(){
    int n;
    cout<<"Value of n: ";
    cin>>n;
    int array[n];
    for(int i=0; i<n; i++){
        cin>>array[i];
    }
```

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    violation(array,n);

    return 0;

}
```

///Problem 02

```cpp
#include<bits/stdc++.h>
using namespace std;
void minWord(string &str,string &minword, string &maxword){
    int len=str.length();
    int si = 0, ei = 0;
    int min_length = len,
       min_start_index = 0,
       max_length = 0,
       max_start_index = 0;

    while(ei<=len){
       if(ei<len && str[ei]!=' '){//check string is not empty
          ei++;
       }
       else{      //current word length
          int curr_length=ei-si;
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            if (curr_length < min_length){

                min_length = curr_length;

                min_start_index = si;

            }


            if (curr_length > max_length){

                max_length = curr_length;

                max_start_index = si;

            }

            ei++;

            si = ei;

            }

        }

    minword = str.substr(min_start_index, min_length);//store minimum length word

    maxword = str.substr(max_start_index, max_length);//store maximum length word

}
int main(){


    string str="happy roung";

    string minword,maxword;

    minWord(str,minword,maxword);

    cout<<minword<<endl;


    return 0;

}
```