



Domain Winning Camp Worksheet (Practice Questions) Subject: IT

Day 3

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SECTION/GROUP: DWWC-43 SUBJECT: IT

DATE: 05/01/2023 BRANCH: CSE

Que-1: Maximum Gap

Output:

Testcase

Result

Accepted Runtime: 0 ms • Case 1 • Case 2 Input nums = [3,6,9,1] Output 3 Expected



Output:



```
Que-2: Sort Colors
Code:
class Solution {
public:
  void sortColors(vector<int>& nums) {int
     start=0;
     int end=nums.size()-1;
     int i=0; while(i<=end){</pre>
       if(nums[i]==0){
          int temp=nums[i];
          nums[i]=nums[start];
          nums[start]=temp; start++;
          i++;
       else if(nums[i]==2){ int
          temp=nums[i];
          nums[i]=nums[end];
          nums[end]=temp;
          end--;
        }
       else{i++;}
     }
};
```

```
Accepted Runtime: 0 ms

• Case 1
• Case 2

Input

nums =
[2,0,2,1,1,0]

Output
[0,0,1,1,2,2]

Expected
[0,0,1,1,2,2]
```





Que-3: Chef and Lockout Draws

Code:

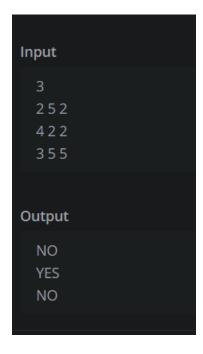
```
#include <iostream>
using namespace std;
```

```
int main() {
      int t;
      cin>>t;
      while(t--){
         int a,b,c;
         cin>>a;
         cin>>b;
         cin>>c;
         if(a>b \text{ and } a>c)
           if(a==b+c)
              cout<<"YES"<<endl;
            }
           else{
              cout<<"NO"<<endl;
         else if(b>a and b>c){
           if(b==a+c)
              cout<<"YES"<<endl;
            }
           else{
              cout<<"NO"<<endl;
         }
         else{
           if(c==a+b){
              cout<<"YES"<<endl;
            }
           else{
              cout<<"NO"<<endl;
         }
```





Output:



Que-4: Turbo Sort

```
Code:
#include <bits/stdc++.h>

using namespace std;

int main() {
    // your code goes here
    int t;
    cin>>t;
    vector <int> a(t); for(int
    i = 0; i< t; i++){
        cin>>a[i];
    }
    sort(a.begin(),a.end());for(int x
    : a)
        cout<<x<<endl;
    return 0;
}</pre>
```





Output:

```
Input

5
5
5
3
6
7
1

Output

1
3
5
6
7
```

Que-5: Reorder Data in Log Files

Output:

};

}





Accepted	Runtime: 0 ms
• Case 1	• Case 2
Input	
logs = ["dig1 8 1	5 1","let1 art can","dig2 3 6","let2 own kit dig","let3 art zero"]
Output	
["let1 art	can","let3 art zero","let2 own kit dig","dig1 8 1 5 1","dig2 3 6"]
Expected	
["let1 art	can","let3 art zero","let2 own kit dig","dig1 8 1 5 1","dig2 3 6"]