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UID	20BCS1409
SECTION	DWWC-43
DATE	05-01-2023

# **DAY 2 (Questions)**

### 1. Volume Control

```
CODE:
```

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

int main() {
     // your code goes here
     int t;
     cin>>t;
     while(t--){
     int x;
     cin>>x; int
     y; cin>>y;
      cout<<abs(x-y)<<endl;;
     }
     return 0;
}</pre>
```



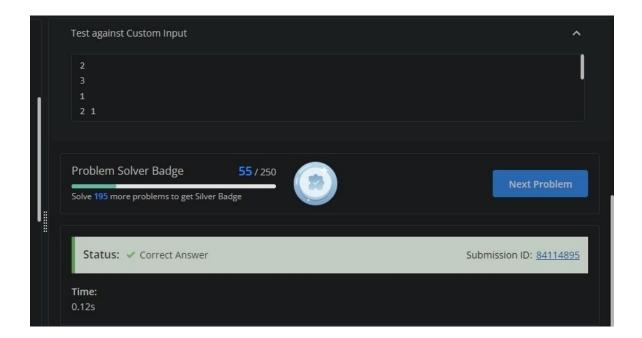
Status:  ✓ Correct Answer		Submission ID: <u>84202669</u>
<b>Time:</b> 0.00s		
Sub-Task	Task#	Result (time)
1	0	AC (0.003622)
1	1	AC (0.003705)
1	2	AC (0.003797)
1	š	AC (0.003906)
Subtask Score: 100.00%		Result - AC
		Total Score = 100.00%

# 2. Delete an element from a vector

## Code:

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

int main()
{
    vector<int> v={1,2,3,4,5};
    v.pop_back();
    for(auto i:v){
        cout<<i<<endl;
    }
    return 0;
}</pre>
```





### 3. How many attempt problem

#### Code:

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

int main() {
    // your code goes here
    int x,y;
    cin>>x>>y;
    cout<<abs(x-y)<<endl;

return 0;
}</pre>
```

Status:  Correct Answer		Submission ID: <u>8420426</u>
me: 00s		
Sub-Task	Task#	Result (time)
9	d)	AC (0.003670)
3	2	AC (0.003682)
ā	3	AC (0.003595)
1	4	AC (0.003610)
1	5	AC (0.003711)
1	6	AC (0.003632)
Subtask Score: 100.00%		Result - AC



### 4. Equal Integers

#### Code:

```
#include<iostream>
using namespace std;
int main()
{
     int t,x,y,count=0;
     cin>>t; while(t--
     ){ cin>>x>>y;
     if(x<y)
           while(x<y)
                 x=x+1;
                 count++;
           cout<<count<<endl;
           count=0;
     else if(x==y)
           cout<<"0"<<endl;
     else if(x>y)
     {
           if(((x\%2!=0)\&\&(y\%2!=0))||((x\%2==0)\&\&(y\%2==0)))
     {
                 while(x>y)
           {
```

```
y=y+2;
                count++;
           }
           cout<<count<<endl;
           count=0;
     }
           else
           {
                while(y<(x+1))
                     y=y+2;
                     count++;
                }
                if(x==y)
                     cout<<count<<endl;
    }
               else
                {
          x=x+1;
                          count++;
                     cout<<count<<endl;
                     count=0;
                }
          }
}
```

Status:   ✓ Correct Answer		Submission ID: 8420442
lme: .02s		
: Sub-Task	Tank#	Result (time)
1	0	AC (0.004180)
Ť	1	AC (0.023419)
Subtask Score: 100.00%	Result - AC	
		Total Score = 100.00%



#### 5. Determine the Winner

#### Code:

```
#include <bits/stdc++.h> using
namespace std;
int main()
{
  int t, pa, pb, qa, qb, x, y, z;
  scanf("%d", &t);
  while (t--)
    scanf("%d %d %d %d", &pa, &pb, &qa, &qb);
    int max1 = max(pa, pb);
    int max2 = max(qa, qb);
    if (max1 > max2)
      printf("Q\n");
    else if (max1 < max2)
      printf("P\n");
    }
    else
      printf("TIE\n");
    }
  return 0;
}
```

Status: ✓ Correct Answer		Submission ID: <u>84204694</u>
Time: 0.00s		
Sub-Task	Task#	Result (time)
1	1	AC (0.003749)
1	2	AC (0.003707)
1	3	AC (0.003972)
1	4	AC (0.003989)
Subtask Score: 100.00%		Result - AC
		Total Score = 100.00%