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UID	20BCS1409
SECTION	DWWC-43
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## **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;
}
```

#### **OUTPUT:**

Status: <span>✓</span> Correct Answer		Submission ID: <a href="#">84202669</a>
Time: 0.00s		
Sub-Task	Task #	Result (time)
1	0	AC (0.003622)
1	1	AC (0.003705)
1	2	AC (0.003797)
1	3	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;
}
```


## OUTPUT:

Test against Custom Input

2  
3  
1  
2 1


Problem Solver Badge

55 / 250



Next Problem

Solve 195 more problems to get Silver Badge

Status:  Correct Answer

Submission ID: [84114895](#)

Time:

0.12s

### 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;
}
```

#### OUTPUT:

Status: <span style="color: green;">✓</span> Correct Answer		Submission ID: <a href="#">84204261</a>
Time: 0.00s		
Sub-Task	Task #	Result (time)
1	1	AC (0.003670)
1	2	AC (0.003682)
1	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;
    }
}
}
}
}

```

**OUTPUT:**

Status:  Correct Answer

Submission ID: [84204423](#)

Time:

0.02s

Sub-Task	Task #	Result (time)
1	0	AC (0.004180)
1	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;
}
```

### OUTPUT:

Status:  Correct Answer

Submission ID: [84204694](#)

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%