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SECTION	DWWC-43
DATE	05-01-2023

DAY 2 (Questions)

1. Volume Control

CODE:

```cpp
#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;
}
```
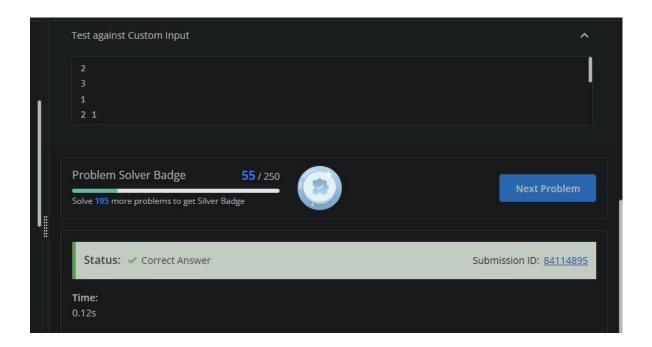
OUTPUT:

Status: ✓ Correct Answer

Submission ID: 84202669

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:

```cpp
#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:

```cpp
#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: ✔ Correct Answer		Submission ID: 84204261
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:

```cpp
#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:

```cpp
#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

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%