

## Worksheet -2

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**SEC-DWWC 43**

**UID:20BCS9807**

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**Que-1: [How many unattempted problems](#)**

**Code:**

```
#include <iostream> #include  
<cstdlib>  
using namespace std;  
  
int main() {  
    int x,y;  
    cin>>x;    cin>>y;  
    cout<<x-y<<endl;  
}
```

**Output:**

**Input**

10 4

**Output**

6

Status:  Correct AnswerSubmission ID: [84219116](#)Time:  
0.00s

Sub-Task	Task #	Result (time)
1	1	AC (0.003541)
1	2	AC (0.003467)
1	3	AC (0.003498)
1	4	AC (0.003533)
1	5	AC (0.003322)
1	6	AC (0.003515)
Subtask Score: 100.00%		Result - AC

**Que-2: [Equal Integers](#)****Code:**

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

```
int main() {
    int t;    cin>>t;
    while(t--){    int
x,y;    cin>>x;
cin>>y;    int
```


```
diff=abs(x-y);  
if(x<=y){  
    cout<<diff<<endl;  
}  
else{  
    int ans=diff/2 + 2*(diff%2);  
    cout<<ans<<endl;  
}  
}  
return 0;  
}
```

**Output:****Input**

5  
3 4  
5 5  
7 3  
5 2  
7 12

**Output**

1  
0  
2  
3  
5

Status:  Correct AnswerSubmission ID: [84221278](#)

Time:

0.02s

Sub-Task	Task #	Result (time)
1	0	AC (0.003796)
1	1	AC (0.024132)
Subtask Score: 100.00%		Result - AC

Total Score = 100.00%

**Que-3: [Determine the Winner](#)****Code:** #include

&lt;iostream&gt;

using namespace std;

int main() {

int t;        cin&gt;&gt;t;

while(t--){        int

pa,pb,qa,qb;        cin&gt;&gt;pa;

cin&gt;&gt;pb;        cin&gt;&gt;qa;

cin&gt;&gt;qb;        int

p=max(pa,pb);        int

q=max(qa,qb);        if(p&lt;q){

```
        cout<<"P"<<endl;
    }
        else if(p>q){
    cout<<"Q"<<endl;        }
    else{
    cout<<"TIE"<<endl;
        }

    }
    return 0;
}
```

### Output:

Input

```
4
5 10 2 12
10 30 15 15
20 8 4 20
6 6 6 6
```

Output

```
P
Q
TIE
TIE
```

**Que-4: [Chef and Brain Speed](#)****Code:**

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

int main() {    int x,y;
cin>>x;    cin>>y;
if(x<y){
cout<<"YES"<<endl;
```

**Status:**  Correct AnswerSubmission ID: [84221790](#)**Time:**

0.01s

Sub-Task	Task #	Result (time)
1	1	AC (0.004289)
1	2	AC (0.006219)
1	3	AC (0.006369)
1	4	AC (0.006333)
Subtask Score: 100.00%		Result - AC

Total Score = 100.00%

```
}  
else{  
    cout<<"NO"<<endl;  
}  
return 0;  
}
```

**Output:**

Input

79

Output

YES

Status: ✓ Correct Answer

Submission ID: [84222154](#)

Time:  
0.00s

Sub-Task	Task #	Result (time)
1	1	AC (0.003907)
1	2	AC (0.003914)
1	5	AC (0.003885)
1	6	AC (0.003953)
1	7	AC (0.003871)
1	9	AC (0.003946)
Subtask Score: 100.00%		Result - AC

### Que-5: [Volume Control](#)

#### Code:

```
#include <iostream>
#include <cstdlib> using
namespace std;
int main() {
    int t;    cin>>t;
    while(t--){    int
x,y;    cin>>x;
    cin>>y;    int
ans=abs(x-y);
        cout<<ans<<endl;
    }
}
```





## Output:

Status: ✓ Correct Answer

Submission ID: [84217254](#)

Time:

0.00s

Sub-Task	Task #	Result (time)
1	0	AC (0.003296)
1	1	AC (0.003702)
1	2	AC (0.003491)
1	3	AC (0.003696)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		



Input

2

50 54

12 10

Output

4

2