

Worksheet – 2

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Branch: CSE

Section: DWWC - 43

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

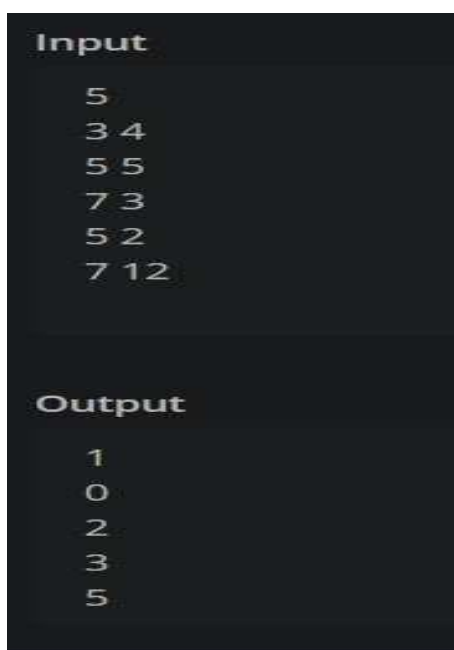
Que-2: [Equal Integers](#)**Code:**

#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
<iostream> using
namespace std;

```
int main() {  
    int t;    cin>>t;  
    while(t--){    int  
pa,pb,qa,qb;    cin>>pa;  
    cin>>pb;    cin>>qa;  
    cin>>qb;    int  
p=max(pa,pb);    int  
q=max(qa,qb);    if(p<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:

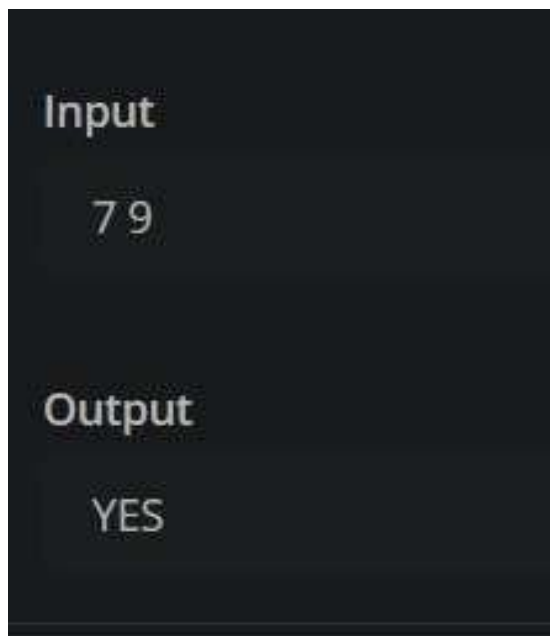
0.01s

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:



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