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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 Answer		Submission 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;           }
```

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```
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
```

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| Status: ✔ Correct Answer | | Submission 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:

```cpp
#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;
```

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```
}        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

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Code:

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

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

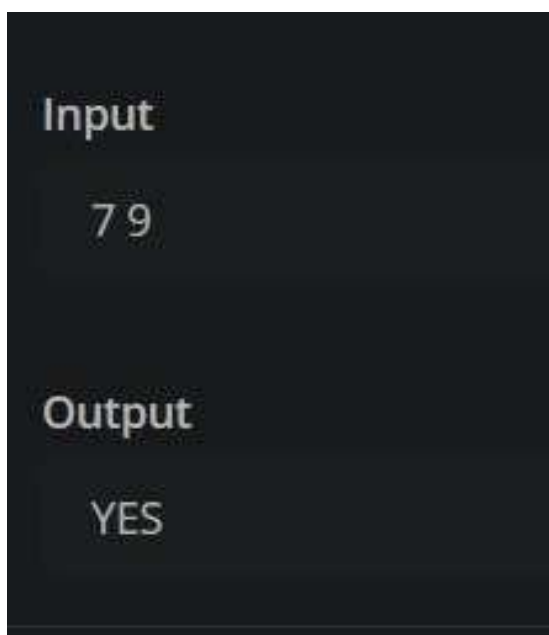| Status: ✓ Correct Answer		Submission ID: 84221790

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:

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Que-5: **Volume Control**

Code:
```cpp
#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:

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```
Input

  2
  50 54
  12 10


Output

  4
  2
```