

DAY 2 - IT SKILLS

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SECTION: - DWWC- 43

SUBJECT NAME: - IT SKILLS (DAA)

Q1) [Equal Integers - Submit | CodeChef](#)

Program Code: -

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

```
int main() {
```

```
    int t;
```

```
    cin>>t;
```

```
    while(t-->0) {
```

```
        int x, y, count=0;
```

```
        cin>>x>>y;
```

```
        while(x!=y) {
```

```
            if(x<y) {                int t
```

```
                = y-x;                count
```

```
                += t;                x += t;
```

```
            }
```

```

if(y<x) {          if(x-
y == 1) {          y
+= 2;
count++;          }
else {            int t
= (x-y)/2;
count += t;
t *= 2;          y
+= t;            }
        }
    }

    cout<<count<<endl;

}






    return 0;

}

```

Output :-


C++14



/ 3


Problem Solver Badge

26 / 50



Solve 24 more problems to get Bronze Badge

Next Problem

Status:  Correct Answer

Submission ID: [84216380](#)

Time:
0.02s

Sub-Task	Task #	Result (time)
1	0	AC (0.004379)
1	1	AC (0.024708)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		

Q2) [Distinct Pairs | CodeChef](#)

Program Code :-

```
#include <bits/stdc++.h>

typedef long long int ll; const
int mod = 1000000007; using
namespace std; int main(){

    ios_base::sync_with_stdio(false);
cin.tie(NULL);      cout.tie(NULL);


    ll n,m;      cin>>n >>m;
vector<ll>      a(n);
vector<ll> b(m);      for(ll
i=0; i<n; i++)
    {
        cin>>a[i];
    }
for(ll i=0; i<m; i++)
    {
        cin>>b[i];
    }

    ll min_a = a[0], index_a = 0;
    ll max_b = b[0], index_b = 0;
for(ll i=1; i<n; i++)
    {
        if(min_a >= a[i])
```

```

        {      min_a
= a[i];      index_a = i;
        }
    }

    for(ll i=1; i<m; i++)
    {
        if(max_b  <=  b[i])
        {      max_b = b[i];
index_b = i;
        }
    }

    for(ll i=0; i<m; i++)
    {
        cout<<index_a<<" "<<i<<endl;
    }






    for(ll i=0; i<n; i++)
    {
        if(index_a ==
i)      {
continue;      }
        else      {

            cout<<i<<" "<<index_b<<endl;

        }
    }
}

```

Output :-

C++14		    
		(0.006988)
1	7	AC (0.006988)
Subtask Score: 25.00%		Result - AC
2	8	AC (0.584087)
2	9	AC (0.585380)
2	10	AC (0.583659)
2	11	AC (0.584083)
2	12	AC (0.583018)
2	13	AC (0.607741)
2	14	AC (0.582784)
Subtask Score: 75.00%		Result - AC
Total Score = 100.00%		

Q3) [How many unattempted problems - Submit | CodeChef](#)

Program Code :-

```
#include <iostream> using
namespace std; int main()
{
    int a,b;    cin
>> a >> b;    cout << a - b
<< endl;
    return 0;
}
```

Output :-

Solve 22 more problems to get Bronze Badge

Next Problem

Status: ✓ Correct Answer

Submission ID: [84217991](#)

Time:

0.00s

Sub-Task	Task #	Result (time)
1	1	AC (0.004292)
1	2	AC (0.004303)
1	3	AC (0.004408)
1	4	AC (0.004251)
1	5	AC (0.004345)
1	6	AC (0.004349)

Subtask Score: 100.00%

Result - AC

Q4) [Total Prize Money - Submit | CodeChef](#)

Program Code :-

```
#include<bits/stdc++.h>
```

```
using namespace std;
```

```
int main()
```

```
{    long
```

```
long t;
```

```
cin>>t;
```

```
    while(t--)
```

```
    {
```

```
        long long x, y;
```

```
cin>>x>>y;
```

```
        x*=10;
```

```
y*=90;
```


```
cout<<(x+y)<<endl;
```

```
    }
```


```
}
```


Output :-

Solve **21** more problems to get Bronze Badge



Next Problem

Status:  Correct Answer

Submission ID: [84218600](#)

Time:
0.01s

Sub-Task	Task #	Result (time)
1	1	AC (0.003811)
1	2	AC (0.005552)
1	3	AC (0.005440)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		

Q5) [Chef and Chocolates - Submit | CodeChef](#)

Program Code :-

```
#include <iostream>

#include<bits/stdc++.h>

using namespace std;


int main() {
    int t;  cin >> t;
    while ( t -- )
    {
        int n, m,z,p;    cin >> n
        >> m>>z;    p = n*5 + m
        *10 ;    cout<< p/z<<endl;

    }
    return 0;
}
```

Output :-

Problem Solver Badge

30 / 50



Solve 20 more problems to get Bronze Badge

Status: ✓ Correct Answer

Submission ID: [84219992](#)

Time:
0.00s

Sub-Task	Task #	Result (time)
1	1	AC (0.003838)
1	2	AC (0.004018)
1	3	AC (0.004083)
1	4	AC (0.004050)
Subtask Score: 100.00%		Result - AC