DAY 2 - IT SKILLS

STUDENT NAME: - Kinjal Chowdhury

UID: - 20BCS3876

SECTION: - DWWC- 43

SUBJECT NAME: - IT SKILLS (DAA)

Q1) Equal Integers - Submit | CodeChef

Program Code: -

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

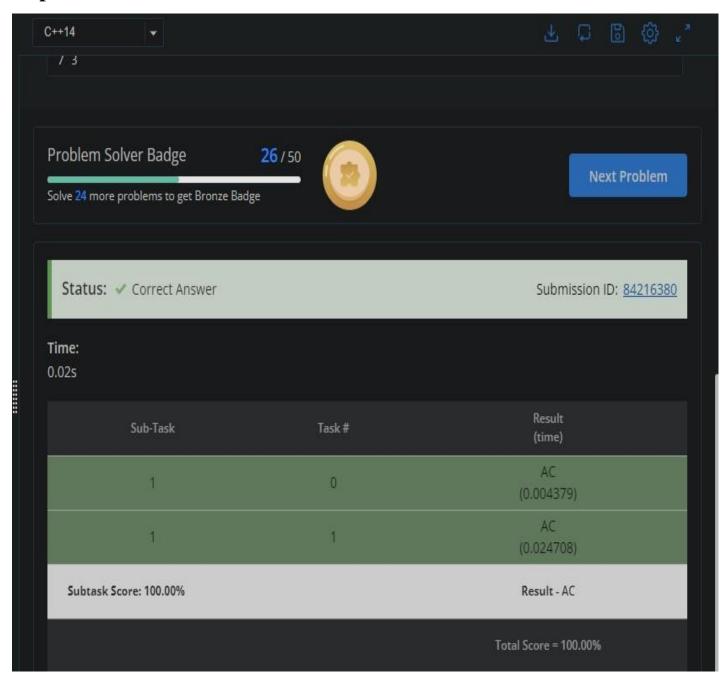
int main() {

    int t;
    cin>>t;

    while(t--) {
    int x, y, count=0;
    cin>>x>>y;

    while(x!=y) {
    if(x<y) {
        int t
        = y-x;
        count
    += t;
        x += t;
}</pre>
```

```
у
y == 1) {
+= 2;
count++;
      }
else { int t
= (x-y)/2;
count += t;
t *= 2; y
+= t; }
  }
 cout<<count<<endl;
 }
    return 0;
}
```

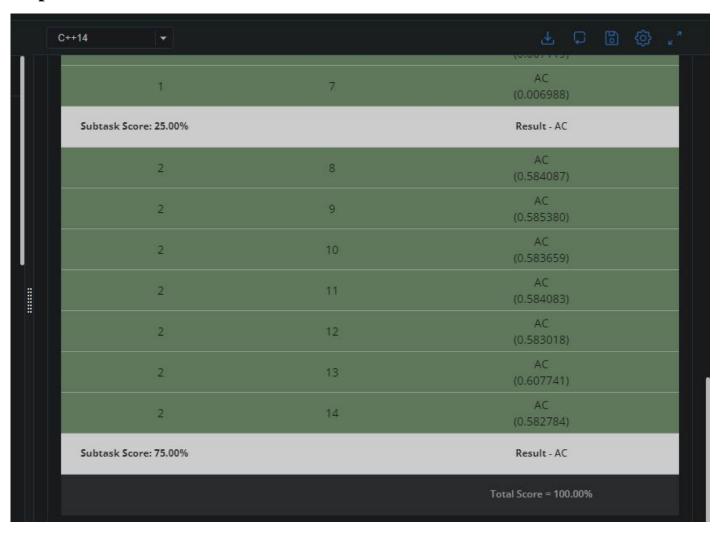


Q2) Distinct Pairs | CodeChef

Program Code:-

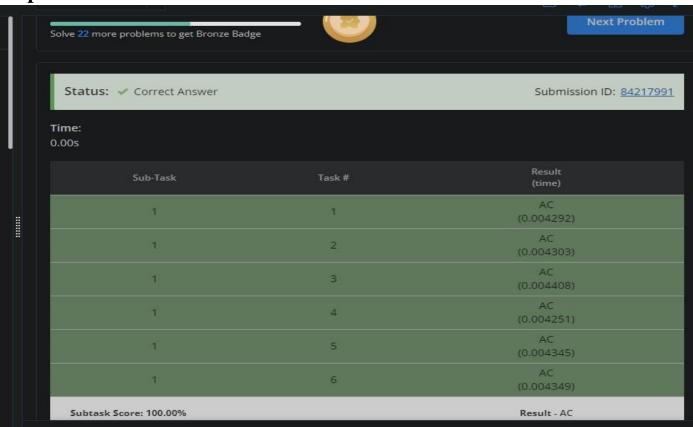
```
#include
               <br/>
<br/>
dits/stdc++.h>
typedef long long int ll; const
int mod = 1000000007; using
namespace std; int main(){
        ios_base::sync_with_stdio(false);
cin.tie(NULL);
                        cout.tie(NULL);
   ll n,m;
               cin>>n >>m;
vector<ll>
                         a(n);
vector\langle ll \rangle b(m);
                        for(ll
i=0; i<n; i++)
          {
             cin >> a[i];
          }
          for(ll i=0; i<m; i++)
          {
             cin >> b[i];
          11 \min_a = a[0], index_a = 0;
  11 \text{ max\_b} = b[0], \text{ 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 \ll 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;
          }
        }
}
```



Q3) How many unattempted problems - Submit | CodeChef

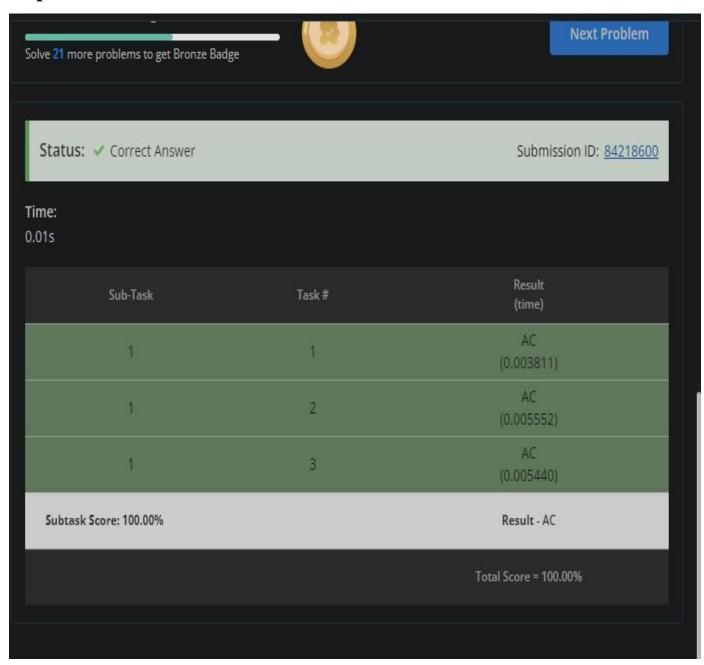
Program Code:-



Q4) <u>Total Prize Money - Submit | CodeChef</u>

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;
  }
}
```



Q5) Chef and Chocolates - Submit | CodeChef

Program Code:-

