Programming Challenges I

CSCI 485/4930

Session 1 Problems

UVa 12279 - Emoogle Balance

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

int main(){

    int n, tst = 1;
    while(cin >> n, n){
        int balance = 0;
        for(int i=0; i<n; i++){
            int cur;
            cin >> cur;
            balance += (cur > 0) * 2 - 1;
        }
        cout << "Case " << tst++ << ": " << balance << endl;
    }

    return 0;
}
```

UVa 11727 - Cost Cutting

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

int arr[3];
int main(){

  int t;
  cin >> t;
  for(int f = 1; f <= t; f++){
    cin >> arr[0] >> arr[1] >> arr[2];
    sort(arr, arr + 3);
    cout << "Case " << f << ": " << arr[1] << endl;
  }

  return 0;
}
```

UVa 12289 - One-Two-Three

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

int main(){

  int t;
  cin >> t;

  while(t--){
    string str;
    cin >> str;
    if(str.size() == 5){
      cout << 3 << endl;
    }else{
      int cnt = 0;
      cnt += str[0] == 'o';
      cnt += str[1] == 'n';
      cnt += str[2] == 'e';

      cout << (cnt < 2) + 1 << endl;
    }
  }

  return 0;
}
```