Problem Link:

<https://codeforces.com/problemset/problem/1859/A>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* **int** n;
* cin >> n;
* **vector<int>** a(n);
* **for**(**int** i = 0; i < n; i++)
* cin >> a[i];
* sort(a.begin(), a.end());
* **bool** f = **false**;
* **vector<int>** b, c;
* **for**(**int** i = 0; i < n; i++)
* {
* b.clear();
* c.clear();
* c.push\_back(a[i]);
* **for**(**int** j = 0; j < n; j++)
* {
* **if**(i == j)
* **continue**;
* **if**(a[j] % a[i] == 0)
* c.push\_back(a[j]);
* **else**
* b.push\_back(a[j]);
* }
* **if**(!b.empty() && !c.empty())
* {
* f = **true**;
* **break**;
* }
* }
* **if**(!f)
* {
* cout << **"-1\n"**;
* }
* **else**
* {
* cout << b.size() << **' '** << c.size() << **"\n"**;
* **for**(**int** i = 0; i < b.size(); i++)
* cout << b[i] << **' '**;
* cout << **"\n"**;
* **for**(**int** i = 0; i < c.size(); i++)
* cout << c[i] << **' '**;
* cout << **"\n"**;
* }
* }
* **return** 0;
* }