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Practice ＞ Algorithms ＞ Warmup ＞ Compare the Triplets ＞ Editorial

Compare the Triplets ☆

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JP   Editorial by John Pierce

Iterate both arrays using `if` statements to allocate points.

Featured Solutions

C

```c
int* compareTriplets(int a_count, int* a, int b_count, int* b, int* result_count) {
    *result_count = 2;
    int *answer = malloc(*result_count * sizeof(int));
    int alice, bob = 0;
    for (int i = 0; i < 3; i++ ) {
        if (a[i] > b[i]) alice++;
        if (a[i] < b[i]) bob++;
    }
    answer[0] = alice;
    answer[1] = bob;
    return answer;
}
```

C++

```cpp
vector<int> compareTriplets(vector<int> a, vector<int> b) {
    int alice = 0;
    int bob = 0;
    vector <int> answer(2);
    for(int i = 0; i < 3; i++) {
        if (a[i] > b[i]) alice++;
        if (a[i] < b[i]) bob++;
    }
    answer[0] = alice;
    answer[1] = bob;
    return answer;
}
```

NodeJS

```javascript
function compareTriplets(a, b) {
    let alice = 0;
    let bob = 0;
    let answer = [];
    for (let i = 0; i < a.length; i++) {
        if (a[i] > b[i]) alice++;
        if (a[i] < b[i]) bob++;
    }
    answer[0] = alice;
    answer[1] = bob;
    return answer;
}
```

Python 3

```python
def compareTriplets(a, b):
    answer = []
    alice, bob = 0, 0
    for alice_s, bob_s in zip(a, b):
        if alice_s > bob_s:
            alice += 1
        if alice_s < bob_s:
            bob += 1
    answer.append(alice)
    answer.append(bob)
    return answer
```

STATISTICS

Difficulty:	Easy
Time Complexity:	O(1)
Required Knowledge:	If-else
Publish Date:	May 19 2016

Originally featured in May World CodeSprint

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Ruby

```ruby
def compareTriplets(a, b)
alice = 0
bob = 0

a.zip(b).each do |a_val, b_val|
  if a_val > b_val
    alice += 1
  elsif a_val < b_val
    bob += 1
  end
end
return alice, bob
end
```

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