

1 Read Me

Describe what each of the following methods does. You may assume that `values` contains at least one element.

```
private static boolean method1 (int[] values) {
    int k = 0;
    while (k < values.length - 1) {
        if (values[k] > values[k+1]) {
            return false;
        }
        k = k + 1;
    }
    return true;
}
```

```
private static void method2 (int[] values) {
    int k = 0;
    while (k < values.length / 2) {
        int temp = values[k];
        values[k] = values[values.length - 1 - k];
        values[values.length - 1 - k] = temp;
        k = k + 1;
    }
}
```

2 Flatten

Write a method `flatten` that takes in a 2-D int array `x` and returns a 1-D int array that contains all of the arrays in `x` concatenated together. For example, `flatten({{1, 3, 7}, {}, {9}})` should return `{1, 3, 7, 9}`.

```
public static int[] flatten(int[][] x) {
    int newArraySize = _____;
    for (_____ ) {
        _____ += _____;
    }
    int[] newArray = _____;
    int newArrayIndex = _____;
    for (_____ ) {
        for (_____ ) {
            _____ = _____;
            _____ += _____;
        }
    }
    return _____
}
```