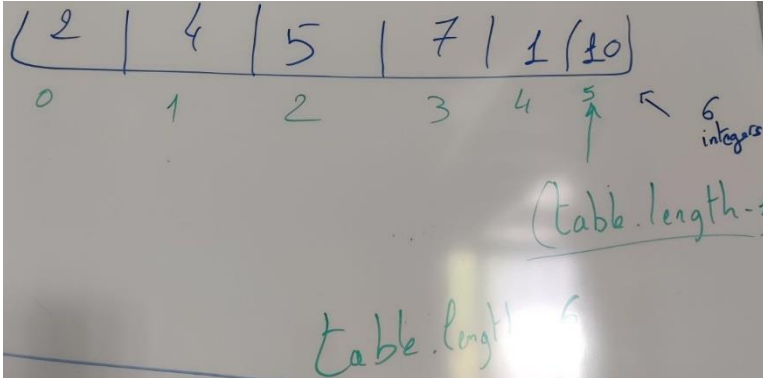


Correction TD7 – Groupe 1

Exercise 1:

An example of an array:



a-

```
static double average(int[] italy) {  
    int n = 0;  
    for (int i = 0; i < italy.length; i++) {  
        n = n + italy[i];  
    }  
    return (double)(n / italy.length);  
}
```

The code snippet shows a static method `average` that takes an `int[] italy` array. It initializes `n` to 0 and iterates over the array, summing its elements. The line `n = n + italy[i];` is circled, and a green arrow points to it with the text "équivalent à", pointing to the line `n += italy[i];` which is also circled.

b-

```
static double vietnam (int[] a, int[] b) {
    double averageA = average(a);
    double averageB = average(b);
    double diff = averageA - averageB;
    double result = Math.pow(diff, 2);
    double result = diff * diff;
    return result;
}
```

Exercise 2:

```
boolean nonVide (String[] t) {
    int i = 0;
    while (i < t.length) {
        if (t[i].length() == 0) {
            return false;
        }
        i++;
    }
    return true;
}
```

équivalent à $t[i] == ""$

Bonus: a big-up from your friend Mohammed while Alexandre and Pia are focused on the PC :-P

