

//Centered-15 if some consecutive sequence of elements of the array sum to 15 and sequence is preceded and followed by the same number of elements.

```
public class Centered15 {

    public static int isCentered15(int[] a) {
        int iscenter = 0;
        int i, j;
        for (i = 0, j = a.length - 1; i < a.length; i++) {

            int sum = 0;

            for (int k = i + 1; k <= j - 1; k++) {

                if (k <= j - 1) {
                    sum = sum + a[k];
                }

            }
            j--;

            if (sum == 15) {
                iscenter = 1;
            }

        }

        return iscenter;

    }

    public static void main(String[] args) {
        int[] c = { 3, 2, 10, 4, 1, 6, 9 };
        int[] c1 = { 2, 10, 4, 1, 6, 9 };
        int[] c2 = { 3, 2, 10, 4, 1, 6 };
        int[] c3 = { 1, 1, 8, 3, 1, 1 };
        int[] c4 = { 9, 15, 6 };
        int[] c5 = { 1, 1, 2, 2, 1, 1 };
        int[] c6 = { 1, 1, 15, -1, -1 };
        int[] c7 = { 2, 15, 7 };

        System.out.println(isCentered15(c1));
    }

}
```