

```

public class Driver21{
    public static void main(String a[]){
        Test k = new Test();
        int [] p1 = {24,2,45,20,56,75,2,56,99,53,12};
        k.m1(p1);
        for(int i=0; i < p1.length; i++){
            System.out.print(p1[i]);
            System.out.print(" ");
        }
    }
}

```

What is the output of the main method?

```

public class Test {
    public int [] array;
    public int length;
    public void m1(int[] t20) {
        if (t20 == null || t20.length == 0) {
            return;
        }
        this.array = t20;
        length = t20.length;
        m2(0, length - 1);
    }
    private void m2(int a1, int a2) {
        int i = a1;
        int j = a2;
        int k2 = array[a1+(a2-a1)/2];
        while (i <= j) {
            while (array[i] < k2) {
                i++;
            }
            while (array[j] > k2) {
                j--;
            }
            if (i <= j) {
                m3(i, j);
                i++;
                j--;
            }
        }
        if (a1 < j)
            m2(a1, j);
        if (i < a2)
            m2(i, a2);
    }
    private void m3(int i, int j) {
        int temp = array[i];
        array[i] = array[j];
        array[j] = temp;
    }
}

```