program in Java to verify implementation of arrays

```java
public class ArrayExample {

    public static void main(String[] args) {

        int[] arr = new int[] { 2, 12, 8, 20, 5 };

        System.out.println("The third element of the array is: " + arr[2]);

        arr[2] = 6;
        System.out.println("The third element of the array after changing it is: " + arr[2]);

        System.out.print("The array contains: ");
        for (int i = 0; i < arr.length; i++) {
            System.out.print(arr[i] + " ");
        }
        System.out.println();

        java.util.Arrays.sort(arr);

        System.out.print("The sorted array contains: ");
        for (int i = 0; i < arr.length; i++) {
            System.out.print(arr[i] + " ");
        }
        System.out.println();
    }
```

}