

```
package classes;

public class List {

    public static void displayFiveElementsFromList(float[] list, int offset) {

        for (int i = 0; i < 5; i++) {
            System.out.printf("%10.2f", list[offset + i]);
        }
        System.out.print("\n");
    }

    public static void displayList(float[] list) {

        displayFiveElementsFromList(list, 0);
        displayFiveElementsFromList(list, 5);
        System.out.printf("%50s\n", "...");
        displayFiveElementsFromList(list, list.length - 10);
        displayFiveElementsFromList(list, list.length - 5);
    }

    public static float[] createRandomListOfNumbers(int max_elements) {

        float[] numbers_list = new float[max_elements];

        for (int i = 0; i < max_elements; i++) {

            numbers_list[i] = (float) (Math.random() * max_elements);
        }

        System.out.println("Creating a list containing " + max_elements + " elements,");
        displayList(numbers_list);
        System.out.println("List created.");

        return numbers_list;
    }
}
```