**Java ArrayList ensureCapacity() Method example**

[**JAVA COLLECTIONS**](http://beginnersbook.com/category/java-collections/)

ArrayList internally implements growable dynamic array which means it can increase and decrease its size automatically. If we try to add an element to a already full ArrayList then it automatically re-sized internally to accommodate the new element however sometimes its not a good approach.

Consider a scenario when there is a need to add huge number of elements to an already full ArrayList, in such case ArrayList has to be resized several number of times which would result in a poor performance. For such scenarios ensureCapacity() method of Java.util.ArrayList class is very useful as it increases the size of the ArrayList by a specified capacity.

public void ensureCapacity(int minCapacity)

**Example**

package beginnersbook.com;

import java.util.ArrayList;

public class EnsureCapacityExample {

public static void main(String args[]) {

// ArrayList with Capacity 4

ArrayList<String> al = new ArrayList<String>(4);

//Added 4 elements

al.add("Hi");

al.add("Hello");

al.add("Bye");

al.add("GM");

//Increase capacity to 5

al.ensureCapacity(55);

al.add("GE");

// let us print all the elements available in list

for (String temp: al) {

System.out.println(temp);

}

}

}

Output:

Hi

Hello

Bye

GM

GE