OBJECT ORIENTED PROGRAMMING LAB

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Aim

Maintain a list of Strings using ArrayList from collection framework, perform built-in operations.

Procedure:

```
import java.util.ArrayList;
import java.util.Collections;
class ArrayL {
   public static void main(String[] args) {
      ArrayList<String> data = new ArrayList<String>();
      data.add("A");
      data.add("B");
      data.add("C");
      data.add("D");
      data.set(1, "BB");
      System.out.println("Array list:"+data);
      System.out.println("0th element:"+data.get(0));
      System.out.println("1st element:"+data.get(1));
      data.remove(0);
      System.out.println("After removing 0th element:"+data);
      System.out.println("Size of the array:"+data.size());
      System.out.println("Array elements:");
      for (String d : data) {
         System.out.println(d);
      }
```

```
        Collections.sort(data);
        System.out.println("After sorting:"+data);
        data.clear();
        System.out.println("After removing the elements:"+data);
    }
}
```

Output:

```
C:\Users\Student\Desktop\Manya S2\temp>java  ArrayL
Array list:[A, BB, C, D]
0th element:A
1st element:BB
After removing 0th element:[BB, C, D]
Size of the array:3
Array elements:
BB
C
D
After sorting:[BB, C, D]
After removing the elements:[]
```