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**Batch:R MCA-B**

**Date:31/05/22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 22**

**Aim**

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

**PROCEDURE**

import java.util.ArrayList;

import java.util.Collections;

public class CO46 {

public static void main(String[] args) {

ArrayList<String> sc = new ArrayList<String>();

sc.add("Asus");

sc.add("Poco");

sc.add("Oppo");

sc.add("Samsung");

sc.add("Vivo");

System.out.println("The items in ArrayList are:");

for(String Mobile:sc){

System.out.println(""+Mobile);

}

sc.remove("Poco");

sc.remove(2);

System.out.println("\nArrayList after remove operation:");

for(String Mobile:sc) {

System.out.println(Mobile);

}

Collections.sort(sc);

System.out.println("\nArrayList after sorting:");

for (String Mobile: sc) {

System.out.println(Mobile);

}

sc.add(2, "Infinix");

System.out.println("\nModified ArrayList:"+sc);

System.out.println("\nObject at index 2:"+sc.get(1));

System.out.println("\nSize of the ArrayList:"+sc.size());

System.out.println("\nSamsung is in the ArrayList :"+sc.contains("Samsung"));

System.out.println("\nPoco is in the ArrayList :"+sc.contains("Poco"));

sc.clear();

System.out.println("\nArrayList after clear method:"+sc);

}

}

**Output**

