OBJECT ORIENTED PROGRAMING LAB

Experiment No.: 30

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Roll No : 46

Batch : B

Date : 07-06-22

Aim

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

Source Code

```
import java.util.*;
public class arraylist{
    public static void main(String[] args){
        ArrayList<String> arrayList= new ArrayList<>();
        arrayList.add("Thor");
        arrayList.add("Loki");
        arrayList.add("Wanda");
        arrayList.add("Nebula");
        System.out.println("The elements of the arraylist is - "+arrayList);
        Collections.sort(arrayList);
        System.out.println("\nThe ArrayList Sort : "+arrayList);
        Collections.addAll(arrayList,"Steve","Tony","Thanos","Banners","Natasha");
        System.out.println("\nAdding new items in the arraylist is : "+arrayList);
        Collections.sort(arrayList, Collections.reverseOrder());
        System.out.println("\nThe reverse  order of  the arraylist : "+arrayList);
        System.out.println("\nThe maximum element of the arraylist : "+Collections.max(arrayList));
    }
```

}

Output Screenshot

```
C:\Users\Student\Documents\Java>java arraylist
The elements of the arraylist is - [Thor, Loki, Wanda, Nebula]

The ArrayList Sort : [Loki, Nebula, Thor, Wanda]

Adding new items in the arraylist is : [Loki, Nebula, Thor, Wanda, Steve, Tony, Thanos, Banners, Natasha]

The reverse  order of  the arraylist : [Wanda, Tony, Thor, Thanos, Steve, Nebula, Natasha, Loki, Banners]

The maximum element of the arraylist : Wanda
```