

Practical No:16

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Semester: 3
Date: December 2, 2021

Objective: WAP to sort strings in alphabetical order.

Code :

```
import java.util.Scanner;
public class _03_sortingStrings{
    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        Scanner scan = new Scanner(System.in).useDelimiter("\n");
        System.out.print("Enter the number of names: ");
        int n= sc.nextInt();
        String [] names= new String[n];
        System.out.println();
        for(int i=0; i<n; i++){

            System.out.print("Enter names["+i+"]: ");
            names[i]=scan.next();

        }

        System.out.println("Original order of names: ");
        // for(String i: names){

        //     System.out.print(i);

        // }

        for(int i=0; i<n; i++){
            System.out.println(names[i]);
        }

        for (int j = 0; j < n; j++) {
            for (int i = j + 1; i < names.length; i++) {
                if (names[i].compareTo(names[j]) < 0) {
                    String temp = names[j];
                    names[j] = names[i];
                    names[i] = temp;
                }
            }
        }
    }
}
```

```

        }
    }
    // System.out.println(names[j]);
}

System.out.println("\nSorted order of names: ");

for(String i: names){

    System.out.println(i);

}

}

}

```

Output:

```

PS D:\01_Java\Deepankar\java Programming\29-nov-Strings> cd
"d:\01_Java\Deepankar\java Programming\29-nov-Strings\" ; if ($?) { javac
_03_sortingStrings.java } ; if ($?) { java _03_sortingStrings }

```

Enter the number of names: 5

Enter names[0]: Lucifer

Enter names[1]: Barry

Enter names[2]: Amenadiel

Enter names[3]: Dean

Enter names[4]: Chloe

Original order of names:

Lucifer

Barry

Amenadiel

Dean

Chloe

Sorted order of names:

Amenadiel

Barry

Chloe

Dean

Lucifer