

Name: Divya Jayendra Chaudhari

Roll No.116 [PRN 0120190122]

SYCOMP SCET

Skill Development Core Java

Assignment 9

CODE:

```
import java.util.Arrays;
import java.util.Scanner;

public class Sorting
{
    public static void main(String [] args)
    {
        Scanner obj = new Scanner(System.in);
        System.out.println("Enter the numeric array limit:");
        int n=obj.nextInt();
        int []narr = new int[n];
        System.out.println("Enter the numeric array elements:");
        for( int i=0; i<n; i++) //taking elements of numeric array
        {
            narr[i]=obj.nextInt();
        }

        System.out.println("Enter the string array limit:");
        int m=obj.nextInt();
        String []sarr = new String[m];
        System.out.println("Enter the string array elements:"); // taking input of
string array
        for( int j=0; j<n; j++)
        {
```

```

        sarr[j]=obj.next();
    }
    //printing both the arrays
    System.out.println("\n\nNumeric array is as follows:");

    for(int i: narr)
    {
        System.out.print(i+" ");
    }

    System.out.println("\n\nString array is as follows:");

    for(String j: sarr)
    {
        System.out.print(j+" ");
    }
    //sorting both the arrays
    Arrays.sort(narr);
    Arrays.sort(sarr);
    //printing sorted arrays
    System.out.println("\n\nSorted numeric array is:");
    for(int i: narr)
    {
        System.out.print(i+" ");
    }
    System.out.println("\n\nSorted string array is:");
    for(String i: sarr)
    {
        System.out.print(i+" ");
    }
    obj.close();
}
}

```

OUTPUT:

```
Command Prompt
Microsoft Windows [Version 10.0.18363.959]
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C:\Users\DELL>cd desktop

C:\Users\DELL\Desktop>cd javaprgs

C:\Users\DELL\Desktop\Javaprgs>javac Sorting.java

C:\Users\DELL\Desktop\Javaprgs>java Sorting
Enter the numeric array limit:
5
Enter the numeric array elements:
800
900
300
500
100
Enter the string array limit:
5
Enter the string array elements:
aaa
AAA
bbb
ccc
ddd

Numeric array is as follows:
800, 900, 300, 500, 100,

String array is as follows:
aaa, AAA, bbb, ccc, ddd,

Sorted numeric array is:
100, 300, 500, 800, 900,

Sorted string array is:
AAA, aaa, bbb, ccc, ddd,
C:\Users\DELL\Desktop\Javaprgs>
```