**Experiment No.:05**

**package javaAssignments;**

**import java.util.Scanner;**

**class Sort {**

**void sortInterger(int a[]) {**

**for (int i = 0; i < a.length; i++) {**

**for (int j = i + 1; j < a.length; j++) {**

**if (a[i] > a[j]) {**

**int temp = a[i];**

**a[i] = a[j];**

**a[j] = temp;**

**}**

**}**

**}**

**}**

**void sortString(String str[]) {**

**String temp;**

**for (int i = 0; i < str.length; i++) {**

**for (int j = i + 1; j < str.length; j++) {**

**if (str[i].compareTo(str[j]) > 0) {**

**temp = str[i];**

**str[i] = str[j];**

**str[j] = temp;**

**}**

**}**

**}**

**}**

**}**

**public class EighthAssignment {**

**public static void main(String[] args) {**

**Sort obj = new Sort();**

**Scanner in = new Scanner(System.in);**

**int choice;**

**do {**

**System.out.println(" 1.Sort Integer\n 2.Sort String");**

**System.out.println("Enter the choice");**

**int ch = in.nextInt();**

**switch (ch) {**

**case 1:**

**System.out.println("Enter the size of Array ");**

**int n = in.nextInt();**

**System.out.println("Enter the Numbers :");**

**int arr[] = new int[n];**

**for (int i = 0; i < n; i++)**

**arr[i] = in.nextInt();**

**obj.sortInterger(arr);**

**// Arrays.sort(arr);**

**System.out.println("Sorted Numbers :");**

**for (int i = 0; i < n; i++)**

**System.out.print(arr[i] + " ");**

**break;**

**case 2:**

**String names[] = { "ram", "shyam", "seeta", "geeta", "reeta" };**

**obj.sortString(names);**

**for (int i = 0; i < names.length; i++)**

**System.out.print(names[i] + " ");**

**break;**

**}**

**System.out.println("\nDo U want to continue 1 or 0?");**

**choice = in.nextInt();**

**} while (choice == 1);**

**}**

**}**

