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**Subject: FJP**

**Title : Simple JAVA programs.**

**Write programs in JAVA to sort i) List of integers ii) List of names.**

**Code :**

package Exp\_5;

import java.util.Scanner;

public class Sorting {

void sortInteger(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].compareToIgnoreCase(str[j])>0)

{

temp = str[i];

str[i]=str[j];

str[j]=temp;

}

}

}

}

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

Sorting obj = new Sorting();

int choice;

do{

System.out.println("\n 1.Sort Integer \n 2.Sort String \n 3.exit\n");

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

choice=sc.nextInt();

switch(choice)

{

case 1:

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

int n1=sc.nextInt();

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

int arr1[]=new int[n1];

for(int i=0;i<n1;i++)

{

arr1[i]=sc.nextInt();

}

obj.sortInteger(arr1);

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

for(int i=0;i<n1;i++)

{

System.out.println(arr1[i]+"");

}

break;

case 2:

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

int n2=sc.nextInt();

System.out.println("Enter the Strings");

String arr2[]=new String[n2];

for(int i=0;i<n2;i++)

{

arr2[i]=sc.next();

}

obj.sortString(arr2);

System.out.println("Sorted Strings are :");

for(int i=0;i<n2;i++)

{

System.out.println(arr2[i]+"");

}

break;

}

}while(choice!=3);

}

}

**Output :**

1.Sort Integer

2.Sort String

3.exit

Enter the choice

1

Enter the size of Array

5

Enter the Numbers

10

20

50

30

40

Sorted Numbers are :

10

20

30

40

50

1.Sort Integer

2.Sort String

3.exit

Enter the choice

2

Enter the size of Array

4

Enter the Strings

Pratik

ziva

akash

vrushali

Sorted Strings are :

akash

Pratik

vrushali

ziva

1.Sort Integer

2.Sort String

3.exit

Enter the choice

3