

```
1 import java.util.*;
2
3 public class Smallest
4 {
5     public static void main(String[] args) {
6         Scanner s = new Scanner(System.in);
7         System.out.println("Author : J Sri Sai Mandla");
8         System.out.println("SAP ID : 51834596");
9         System.out.println("Enter the length of the array");
10        int length = s.nextInt();
11        int [] array = new int[length];
12        System.out.println("Enter the elements of the array");
13
14        for(int i=0; i<length; i++ ) {
15            array[i] = s.nextInt();
16        }
17        int n = array.length;
18        Print3Smallest(array, n);
19    }
20
21    static void Print3Smallest(int array[], int n)
22    {
23        int firstmin = Integer.MAX_VALUE;
24        int secmin = Integer.MAX_VALUE;
25        int thirdmin = Integer.MAX_VALUE;
26        int fourthmin = Integer.MAX_VALUE;
27        for (int i = 0; i < n; i++)
28        {
29
30            if (array[i] < firstmin)
31            { fourthmin = thirdmin;
32              thirdmin = secmin;
33              secmin = firstmin;
34              firstmin = array[i];
35            }
36
37            else if (array[i] < secmin)
38            { fourthmin = thirdmin;
39              thirdmin = secmin;
40              secmin = array[i];
41            }
42            else if (array[i] < thirdmin){
43                fourthmin = thirdmin;
44                thirdmin = array[i];
45            }
46            else if (array[i]< fourthmin){
47                fourthmin= array[i];
48            }
49        }
50        System.out.println("fourth smallest element is "+ fourthmin);
51
52
53    }
54 }
```

## X Terminal



Author : J Sri Sai Manoj

SAP ID : 51834596

Enter the length of the array:

7

Enter the elements of the array:

99

12

3

57

67

89

44

fourth smallest element = 57

Process finished.

```
1 abstract class Laptop{  
2     abstract void Ram();  
3     abstract void Rom();  
4     abstract void Processor();  
5     abstract void Windows();  
6     abstract void Camera();  
7 }  
8 class Dell extends Laptop  
9 {  
10    void Ram() {  
11        System.out.println("Laptop has Ram");  
12    }  
13    void Rom() {  
14        System.out.println("Laptop has Rom");  
15    }  
16    void Processor() {  
17        System.out.println("Laptop has Processor");  
18    }  
19    void Windows() {  
20        System.out.println("Laptop has Windows");  
21    }  
22    void Camera() {  
23        System.out.println("Laptop has Camera");  
24    }  
25 }  
26 class Main {  
27     public static void main(String args[]) {  
28         System.out.println("Author : J Sri Sai Manoj"  
29         System.out.println("SAP ID : 51834596");  
30         System.out.println("Laptop_Name:Dell");  
31         Laptop s=new Dell();  
32         s.Ram();  
33         s.Rom();  
34         s.Processor();  
35         s.Windows();  
36         s.Camera();  
37     }  
38 }
```

## X Terminal



```
Author : J Sri Sai Manoj  
SAP ID : 51834596  
Laptop_Name:Dell  
Laptop has Ram  
Laptop has Rom  
Laptop has Processor  
Laptop has Windows  
Laptop has Camera
```

Process finished.

```
1 import java.util.*;
2 public class ReverseString {
3     public static String reverseWord(String str){
4         String words[] = str.split("\\s");
5         String reverseWord = "";
6         for(String w : words){
7             StringBuilder sb = new StringBuilder(w);
8             sb.reverse();
9             reverseWord += sb.toString() + " ";
10        }
11        return reverseWord.trim();
12    }
13 }
14
15 public class Main {
16     public static void main(String[] args) {
17         Scanner sc = new Scanner(System.in);
18         System.out.println("Author : J Sri Sai Manoj");
19         System.out.println("SAP ID : 51834596");
20         System.out.println("enter string");
21         String str = sc.nextLine();
22         System.out.println("reversed string :");
23         System.out.println(ReverseString.reverseWord(str));
24     }
25 }
```

## X Terminal



```
Author : J Sri Sai Manoj
SAP ID : 51834596
enter string
hello how are you doing . hope all well!
reversed string :
olleh woh era uoy gniod . epoh lla !llew
```

```
Process finished.
```