

```

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 Manoj");
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 }

```

✕ 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 }
```

✕ 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 }

```

✕ 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.

