



/ 29_july.java

Saved

4th sm



```
1  /*1st question 29 july*/
2  import java.util.*;
3
4  public class SmallestArray
5  {
6      public static void main(String[] args)
7
8
9      { Scanner s = new Scanner(System.in);
10         System.out.println("Tarun sai \nSAP=51834698");
11         System.out.println("Enter the length of the array:");
12         int length = s.nextInt();
13         int [] array = new int[length];
14         System.out.println("Enter the elements of the array:");
15
16         for(int i=0; i<length; i++ ) {
17             array[i] = s.nextInt();
18         }
19         int n = array.length;
20         Print3Smallest(array, n);
21     }
22
```



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```
22
23 static void Print3Smallest(int array[], int n)
24 {
25     int firstmin = Integer.MAX_VALUE;
26     int secmin = Integer.MAX_VALUE;
27     int thirdmin = Integer.MAX_VALUE;
28     int fourthmin = Integer.MAX_VALUE;
29     for (int i = 0; i < n; i++)
30     {
31
32         if (array[i] < firstmin)
33         { fourthmin = thirdmin;
34           thirdmin = secmin;
35           secmin = firstmin;
36           firstmin = array[i];
37         }
38
39         else if (array[i] < secmin)
40         { fourthmin = thirdmin;
41           thirdmin = secmin;
42           secmin = array[i];
43         }
44         else if (array[i] < thirdmin){
45             fourthmin = thirdmin;
46             thirdmin = array[i];
47         }
48         else if (array[i] < fourthmin){
49             fourthmin = array[i];
50         }
51     }
52     System.out.println("fourth smallest element = "+fourthmin);
53
54
55 }
56
57
```



Terminal



Tarun sai

SAP=51834698

Enter the length of the array:

6

Enter the elements of the array:

45

799

789

456

-68

00

fourth smallest element = 456

Process finished.



```
1  /*3rd question 29 th july */
2  abstract class Laptop{
3      abstract void Ram();
4      abstract void Rom();
5      abstract void Processor();
6      abstract void Windows();
7      abstract void Camera();
8  }
9  class HP extends Laptop
10 {
11     void Ram()
12     {
13         System.out.println("Laptop has Ram");
14     }
15     void Rom()
16     {
17         System.out.println("Laptop has Rom");
18     }
19     void Processor()
20     {
21         System.out.println("Laptop has Processor");
22     }
23     void Windows()
24     {
25         System.out.println("Laptop has Windows");
26     }
27     void Camera()
28     {
29         System.out.println("Laptop has Camera");
30     }
31 }
32 class Dell
33 {
34     public static void main(String args[])
35     {
36         System.out.println("Tarun sai \nSAP=51834698");
37         System.out.println("Laptop_Name:ACER");
38         Laptop s=new HP();
39         s.Ram();
40         s.Rom();
41         s.Processor();
42         s.Windows();
43         s.Camera();
44     }
45 }
```



Terminal



Tarun sai

SAP=51834698

Laptop_Name:ACER

Laptop has Ram

Laptop has Rom

Laptop has Processor

Laptop has Windows

Laptop has Camera

Process finished.



Reverse a string 29july.java



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```
1  /*29 july 5th question Reversed String*/
2  import java.util.*;
3  public class ReverseString{
4  public static String reverseWord(String str){
5      String words[]=str.split("\\s");
6      String reverseWord="";
7      for(String w:words){
8          StringBuilder sb=new StringBuilder(w);
9          sb.reverse();
10         reverseWord+=sb.toString()+" ";
11     }
12     return reverseWord.trim();
13
14 }
15 }
16
17 public class TestStringFormatter {
18 public static void main(String[] args) {
19     System.out.println("Tarun sai \nSAP=51834698");
20     Scanner sc = new Scanner(System.in);
21     System.out.println("enter string");
22     String str = sc.nextLine();
23     System.out.println("reversed string :");
24     System.out.println(ReverseString.reverseWord(str));
25 }
26 }
```



Terminal



Tarun sai

SAP=51834698

enter string

Hello Iam Tarun Sai from Guntur .

reversed string :

olleH maI nuraT iaS morf rutnuG .

Process finished.

