

```

1  import java.util.Scanner;
2  public class FourthSmallest
3  {
4  public static int getFourthSmallest(int[] a, int total)
5  {
6  int temp;
7  for (int i = 0; i < total; i++)
8      {
9          for (int j = i + 1; j < total; j++)
10             {
11                 if (a[i] > a[j])
12                 {
13                     temp = a[i];
14                     a[i] = a[j];
15                     a[j] = temp;
16                 }
17             }
18         }
19         return a[a.length/2];
20     }
21 public static void main(String args[])
22 {
23     Scanner sc = new Scanner(System.in);
24     System.out.println("Enter the size of array: ");
25     int size = sc.nextInt();
26     int[] a= new int[size];
27     System.out.println("Enter the elements: ");
28     for (int i = 0; i < size; i++)
29     {
30         a[i] = sc.nextInt();
31     }
32     System.out.println("Fourth smallest: "+getFourthSmallest(a, size));
33 }
34 }
35

```



Terminal



Enter the size of array:

6

Enter the elements:

1 2 4 6 3 5

Fourth smallest: 4

Process finished.

R.Hemanthkumar

SAP I'd-51834684

```
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 HP extends Laptop
9  {
10     void Ram()
11     {
12         System.out.println("Laptop has Ram");
13     }
14     void Rom()
15     {
16         System.out.println("Laptop has Rom");
17     }
18     void Processor()
19     {
20         System.out.println("Laptop has Processor");
21     }
22     void Windows()
23     {
24         System.out.println("Laptop has Windows");
25     }
26     void Camera()
27     {
28         System.out.println("Laptop has Camera");
29     }
30 }
31 class Dell
32 {
33     public static void main(String args[])
34     {
35         System.out.println("Laptop_Name:ACER");
36         Laptop s=new HP();
37         s.Ram();
38         s.Rom();
39         s.Processor();
40         s.Windows();
41         s.Camera();
42     }
43 }
```



Terminal



```
Laptop_Name:ACER  
Laptop has Ram  
Laptop has Rom  
Laptop has Processor  
Laptop has Windows  
Laptop has Camera
```

```
Process finished.  
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```



```
1 import java.util.*;
2 public class StringFormatter
3 {
4     public static String reverseWord(String str)
5     {
6         String words[]=str.split("\\s");
7         String reverseWord="";
8         for(String w:words){
9             StringBuilder sb=new StringBuilder(w);
10            sb.reverse();
11            reverseWord+=sb.toString()+" ";
12        }
13        return reverseWord.trim();
14    }
15 }
16
17 public class TestStringFormatter
18 {
19     public static void main(String[] args)
20     {
21         Scanner sc = new Scanner(System.in);
22         System.out.println("Enter string");
23         String str = sc.nextLine();
24         System.out.println("Reversed string :");
25         System.out.println(StringFormatter.reverseWord(str))
26     }
27 }
28
```



```
Enter string  
hello how are u doing hope all well  
Reversed string :  
olleh woh era u gniod epoh lla llew
```

```
Process finished.  
R.Hemanthkumar  
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```