



Saved

```
1  /*3rd question 27th july*/
2  abstract class Student{
3      abstract void reading();
4      abstract void listening();
5      abstract void writing();
6      abstract void walking();
7      abstract void drawing();
8  }
9  class Tarun_Sai extends Student{
10     void reading(){
11         System.out.println("Student is reading...");
12     }
13     void listening(){
14         System.out.println("Student is listening...");
15     }
16     void writing(){
17         System.out.println("Student is writing...");
18     }
19     void walking(){
20         System.out.println("Student is walking...");
21     }
22     void drawing(){
23         System.out.println("Student is drawing...");
24     }
25 }
26 class Tarun{
27     public static void main(String args[]){
28         System.out.println("Tarun \n SAP=51834698");
29         System.out.println("Name :");
30         Student s=new Tarun_Sai();
31         s.reading();
32         s.listening();
33         s.writing();
34         s.walking();
35         s.drawing();
36     }
37 }
```



Terminal



Tarun

SAP=51834698

Name :

Student is reading...

Student is listening...

Student is writing...

Student is walking...

Student is drawing...

Process finished.



```
1  /*Merger ayyar of two unsorted arrays 2nd question*/
2  import java.util.Scanner;
3  public class MergedArray
4  {
5      static Scanner s = new Scanner(System.in);
6      public static void main(String[] args)
7      {
8          System.out.println("Tarun sai \n Sap =51834698");
9          Scanner s = new Scanner(System.in);
10         System.out.println("Enter the size of the first array: ");
11         int [] arr1 = insert();
12         System.out.println("Enter the size of the second array: ");
13         int [] arr2 = insert();
14
15         int [] arr3 = new int [arr1.length+arr2.length];
16
17         for(int i=0;i<(arr1.length+arr2.length);i++)
18         {
19             if(i<arr1.length)
20             {
21                 arr3[i]=arr1[i];
22             }
23             else
24             {
25                 arr3[i]=arr2[i-arr1.length];
26             }
27         }
28
29         bubblesort(arr3);
30
31         for(int i=0;i<arr3.length;i++)
32         {
33             System.out.print(arr3[i]+" ");
34         }
35     }
36
```

```
36
37
38 public static int[] insert()
39
40 {
41     int [] arr = new int[s.nextInt()];
42     System.out.println("Enter the values :");
43     for(int i=0;i<arr.length;i++)
44     {
45         arr[i] = s.nextInt();
46     }
47
48     return arr;
49 }
50
51 public static int[] bubblesort(int arr [])
52
53 {
54     for(int i=0;i<arr.length-1;i++)
55     {
56         for(int j=0;j<arr.length-i-1;j++)
57         {
58             if(arr[j]>arr[j+1])
59             {
60                 int temp = arr[j];
61                 arr[j] = arr[j+1];
62                 arr[j+1] = temp;
63             }
64         }
65     }
66     return arr;
67
68 }
69
70 }
```

× Terminal



```
Tarun sai
Sap =51834698
Enter the size of the first array:
5
Enter the values :
67 790 57 -3 -7990
Enter the size of the second array:
6
Enter the values :
-54 -799 -0 -42 5678 78
-7990 -799 -54 -42 -3 0 57 67 78 790 5678
Process finished.
```





```
1  /*Pattern 4th question 27 july*/
2  import java.lang.Math;
3  public class Pattern
4  {
5      public static void main(String[] args)
6      {
7          System.out.println("Tarun sai\n SAP=51834698");
8          char ch=' ';
9          for(int i=4;i>=1;i--)
10         {
11             int k=(int)Math.pow(2,i-1);
12             if(i==4)
13                 ch='*';
14             else if(i==3)
15                 ch='&';
16             else if(i==2)
17                 ch='%';
18             for(int j=i;j<=4;j++)
19             {
20                 System.out.print(" ");
21             }
22             for(int j=1;j<=k+2;j++)
23             {
24                 if(j==1 || j==k+2 && i!=1)
25                 {
26                     System.out.print("#");
27                 }
28                 else if(i!=1)
29                 {
30                     System.out.print(ch);
31                 }
32             }
33             System.out.println();
34         }
35     }
36 }
37 }
```



Terminal



Tarun sai

SAP=51834698

#####

####

##%

#

Process finished.



count words. 27 july.java



Saved

```
1  /*27th july Counting words*/
2  import java.util.*;
3  public class WordCount {
4      static int wordcount(String string)
5      {
6          int count=0;
7
8          char ch[]= new char[string.length()];
9          for(int i=0;i<string.length();i++)
10         {
11             ch[i]= string.charAt(i);
12             if( ((i>0)&&(ch[i]!=' ')&&(ch[i-1]!=' ')) || ((ch[0]!=' ')&&(i==0)) )
13                 count++;
14         }
15         return count;
16     }
17     public static void main(String[] args) {
18         System.out.println("Tarun sai \n SAP=51834698");
19         Scanner sc = new Scanner (System.in);
20         System.out.println("enter the string");
21         String string =sc.nextLine();
22         System.out.print("Output: "+wordcount(string) + " words.");
23     }
24 }
```



× Terminal



```
Tarun sai
SAP=51834698
enter the string
Sonusood is a good human being
Output: 6 words.
Process finished.
```

× Terminal



```
Tarun sai
SAP=51834698
enter the string
Hi lam Tarun Sai from guntur , A.P ,India.
Output: 9 words.
Process finished.
```