

```

1
2 import java.util.Scanner;
3 import java.util.Arrays;
4 public class MergeArrayProgram
5 {
6     private static int[] mergeArray(int[]
arrayA, int[] arrayB)
7     {
8         int[] mergedArray = new int[arrayA.length
+ arrayB.length];
9         int i=0, j=0, k=0;
10        while (i < arrayA.length)
11            {
12                mergedArray[k] = arrayA[i];
13                i++;
14                k++;
15            }
16        while (j < arrayB.length)
17            {
18                mergedArray[k] = arrayB[j];
19                j++;
20                k++;
21            }
22        Arrays.sort(mergedArray);
23        return mergedArray;
24    }
25    public static void main(String[] args)
26    {
27        System.out.println("Name :O.
Jahnavi\nSAP ID:51834504");
28        Scanner sc=new Scanner(System.in);
29        System.out.println("Enter the size
of array");
30        int n1 =sc.nextInt();
31        int[] arrayA=new int[n1];
32        int i,j;
33        System.out.println("enter the
elements ");
34        for (i = 0; i <n1; i++)
35        {
36            arrayA[i]= sc.nextInt();
37        }
38        System.out.println("Enter the size
of array");
39        int n2=sc.nextInt();
40        int[] arrayB=new int[n2];

```

```

20         k++;
21     }
22     Arrays.sort(mergedArray);
23     return mergedArray;
24 }
25 public static void main(String[] args)
26 {
27     System.out.println("Name :O.
Jahnavi\nSAP ID:51834504");
28     Scanner sc=new Scanner(System.in);
29     System.out.println("Enter the size
of array");
30     int n1 =sc.nextInt();
31     int[] arrayA=new int[n1];
32     int i,j;
33     System.out.println("enter the
elements ");
34     for (i = 0; i <n1; i++)
35     {
36         arrayA[i]= sc.nextInt();
37     }
38     System.out.println("Enter the size
of array");
39     int n2=sc.nextInt();
40     int[] arrayB=new int[n2];
41     System.out.println("enter the
elements ");
42     for ( i = 0; i <n2; i++)
43     {
44         arrayB[i]= sc.nextInt();
45     }
46     int[] mergedArray =
mergeArray(arrayA, arrayB);
47
48     System.out.println("Array A :
"+Arrays.toString(arrayA));
49
50     System.out.println("Array B :
"+Arrays.toString(arrayB));
51
52     System.out.println("Merged Array :
"+Arrays.toString(mergedArray));
53 }
54 }
55
56

```



Name :0. Jahnavi

SAP ID:51834504

Enter the size of array

4

enter the elements

12

34

5612

34

Enter the size of array

4

enter the elements

12

44

22

22

Array A : [12, 34, 5612, 34]

Array B : [12, 44, 22, 22]

Merged Array : [12, 12, 22, 22, 34, 34, 44

Process finished.



0. Jahnavi

51834504

the size of array

the elements

the size of array

the elements

A : [12, 34, 5612, 34]

B : [12, 44, 22, 22]

Array : [12, 12, 22, 22, 34, 34, 44, 5612]

s finished.


```

1  abstract class Student{
2      abstract void drinking();
3      abstract void reading();
4      abstract void listening();
5      abstract void writing();
6      abstract void walking();
7      abstract void drawing();
8  }
9      class Jahnvi extends Student{
10     void drinking(){
11         System.out.println("Student is
drinking...");
12     }
13     void reading(){
14         System.out.println("Student is
reading...");
15     }
16     void listening(){
17         System.out.println("Student is
listening...");
18     }
19     void writing(){
20         System.out.println("Student is
writing...");
21     }
22     void walking(){
23         System.out.println("Student is
walking...");
24     }
25     void drawing(){
26         System.out.println("Student is
drawing...");
27     }
28 }
29     class Main{
30         public static void main(String args[]){
31             System.out.println("Name :O.
Jahnvi\nSAP ID:51834504");
32             Student s=new Jahnvi();
33             s.drinking();
34             s.reading();
35             s.listening();
36             s.writing();
37             s.walking();
38             s.drawing();
39         }

```

```

2    abstract void drinking();
3    abstract void reading();
4    abstract void listening();
5    abstract void writing();
6    abstract void walking();
7    abstract void drawing();
8 }
9  class Jahnvi extends Student{
10     void drinking(){
11         System.out.println("Student is
drinking...");
12     }
13     void reading(){
14         System.out.println("Student is
reading...");
15     }
16     void listening(){
17         System.out.println("Student is
listening...");
18     }
19     void writing(){
20         System.out.println("Student is
writing...");
21     }
22     void walking(){
23         System.out.println("Student is
walking...");
24     }
25     void drawing(){
26         System.out.println("Student is
drawing...");
27     }
28 }
29  class Main{
30     public static void main(String args[]){
31         System.out.println("Name :O.
Jahnvi\nSAP ID:51834504");
32         Student s=new Jahnvi();
33         s.drinking();
34         s.reading();
35         s.listening();
36         s.writing();
37         s.walking();
38         s.drawing();
39     }
40 }

```

OUTPUT

```
Name :0. Jahnavi  
SAP ID:51834504  
Student is drinking...  
Student is reading...  
Student is listening...  
Student is writing...  
Student is walking...  
Student is drawing...
```

```

1
2 import java.lang.Math;
3 public class Main
4
5     public static void main(String[] args)
6     {
7         System.out.println("Name :0. Jahnavi\nSAP
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

```





Name :0. Jahnavi

SAP ID:51834504

#####

#&&&&#

#%%#

#

Process finished.



```

1 import java.util.Scanner;
2 public class Main
3 {
4     public static void main(String[] args)
5     {
6         System.out.println("Name :O.
Jahnavi\nSAP ID:51834504");
7         Scanner sc=new Scanner(System.in);
8         System.out.println("Enter Input : ");
9         String sentence = sc.nextLine();
10            int wordCount = 0;
11
12            for(int i = 0; i <
sentence.length()-1; i++) {
13                //Counts all the spaces present
in the string
14                //It doesn't include the first
space as it won't be considered as a word
15                if(sentence.charAt(i) == ' ' &&
Character.isLetter(sentence.charAt(i+1)) &&
(i > 0)) {
16                    wordCount++;
17                }
18            }
19            //To count the last word present in
the string, increment wordCount by 1
20            wordCount++;
21
22            //Displays the total number of words
present in the given string
23            System.out.println("Output : " +
wordCount);
24        }
25    }

```

✕ Terminal



Name :O. Jahnavi

SAP ID:51834504

Enter Input :

sky is blue

Output : 3

Process finished.

