

1st Question :

```
← AscendingOrder.java 🔒 → ···
Saved

1 import java.util.Scanner;
2 public class Ascending_Order
3 {
4     public static void main(String[] args)
5     {
6         int n, temp;
7         Scanner s = new Scanner(System.in);
8         System.out.println("Host name :M.Likhit");
9         System.out.print("Enter no. of elements");
10        n = s.nextInt();
11        int a[] = new int[n];
12        System.out.println("Enter all the elem");
13        for (int i = 0; i < n; i++)
14        {
15            a[i] = s.nextInt();
16        }
17        for (int i = 0; i < n; i++)
18        {
19            for (int j = i + 1; j < n; j++)
20            {
21                if (a[i] > a[j])
22                {
23                    temp = a[i];
24                    a[i] = a[j];
25                    a[j] = temp;
26                }
27            }
28        }
29        System.out.print("Ascending Order:");
30        for (int i = 0; i < n - 1; i++)
31        {
32            System.out.print(a[i] + ",");
33        }
34        System.out.print(a[n - 1]);
35    }
36 }
```



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Output Screen :

```
x Terminal

Host name :M.Likhitha
Sap id : 51834624
Enter no. of elements:4
Enter all the elements:
94
13
83
53
Ascending Order:13,53,83,94
Process finished.
```



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2nd Question :

```
← SingleSort.java 🔒 → ⋮
Saved

1 import java.util.Arrays;
2
3 public class Main
4 {
5     private static int[] mergeArray(int[] array1,
6     {
7         System.out.println("Author:M.Likhitha")
8         int[] mergedArray = new int[array1.length];
9
10        int a=0, b=0, c=0;
11
12        while (a < array1.length)
13        {
14            mergedArray[c] = array1[a];
15            a++;
16            c++;
17        }
18
19        while (b < array2.length)
20        {
21            mergedArray[c] = array2[b];
22            b++;
23            c++;
24        }
25
26        Arrays.sort(mergedArray);
27
28        return mergedArray;
29    }
30
31    public static void main(String[] args)
32    {
33        int[] array1 = new int[] {12, -7, 18,
34
35        int[] array2 = new int[] {27, 8, 71, -10};
36
37        int[] mergedArray = mergeArray(array1,
38
39        System.out.println("Array 1 : "+Arrays.toString(array1));
40
41        System.out.println("Array 2 : "+Arrays.toString(array2));
42
43        System.out.println("Merged Array : "+Arrays.toString(mergedArray));
44    }
45
46    : File info ⓘ
```



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Out put Screen :

```
x      Terminal

Author : M.Likhitha
SAP ID : 51834624
Array 1 : [12, -7, 18, 9, 37, -1, 21]
Array 2 : [27, 8, 71, -9, 18]
Merged Array : [-9, -7, -1, 8, 9, 12, 18, 1

Process finished.
```



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## 5th Question :

```
← Count.java 🔒 Saved → ⋮  
1 import java.util.Scanner;  
2 public class Exercise5 {  
3  
4     public static void main(String[] args)  
5     {  
6         Scanner in = new Scanner(System.in);  
7         System.out.println("Hist name: M.Likhi");  
8         System.out.print("Input the string: ")  
9         String str = in.nextLine();  
10  
11         System.out.print("Number of words in t  
12     }  
13  
14     public static int count_Words(String str)  
15     {  
16  
17         int count = 0;  
18         if (!(" ".equals(str.substring(0, 1)))  
19         {  
20             for (int i = 0; i < str.length();  
21             {  
22                 if (str.charAt(i) == ' ')  
23                 {  
24                     count++;  
25                 }  
26             }  
27             count = count + 1;  
28         }  
29         return count; // returns 0 if string s  
30     }  
31 }
```



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## Output Screen:

```
x Terminal

name: M.Likhitha
Id : 51834624
the string: hello how are u doing . How
er of words in the string: 9

ess finished.
```



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Mcq test marks : 15 / 20

Grade : 7.5 / 10



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