

B. Dakshayani_july_27

1st question and answer

```
← AsceOrder.java Saved
1
2 import java.util.Scanner;
3 public class Ascending_Order
4 {
5     public static void main(String[] args)
6     {
7         int n, temp;
8         Scanner s = new Scanner(System.in);
9         System.out.println("Host name:Dakshayani\nSa");
10        System.out.print("Enter no. of elements:");
11        n = s.nextInt();
12        int a[] = new int[n];
13        System.out.println("Enter all the elements:");
14        for (int i = 0; i < n; i++)
15        {
16            a[i] = s.nextInt();
17        }
18        for (int i = 0; i < n; i++)
19        {
20            for (int j = i + 1; j < n; j++)
21            {
22                if (a[i] > a[j])
23                {
24                    temp = a[i];
25                    a[i] = a[j];
26                    a[j] = temp;
27                }
28            }
29        }
30        System.out.print("Ascending Order:");
31        for (int i = 0; i < n - 1; i++)
32        {
33            System.out.print(a[i] + ",");
34        }
35        System.out.print(a[n - 1]);
36    }
37 }
```



```
← AsceOrder.java
Saved

Terminal

Host name:Dakshayani
Sap id : 51834500
Enter no. of elements:6
Enter all the elements:
21 -6 34 45 12 -1
Ascending Order:-6,-1,12,21,34,45
Process finished.
```

2nd question and answer

```
← MergeArray.java
Saved

import java.util.Arrays;
public class MergeArray
{
    private static int[] mergeArray(int[] array1, int
    {
        System.out.println("Host name:Dakshayani\nSAP
        int[] mergedArray = new int[array1.length + a
        int a=0, b=0, c=0;

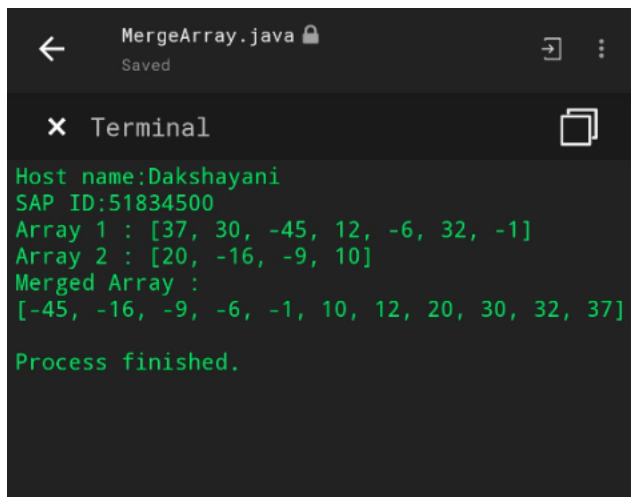
        while (a < array1.length)
        {
            mergedArray[c] = array1[a];
            a++;
            c++;
        }
        while (b < array2.length)
        {
            mergedArray[c] = array2[b];
            b++;
            c++;
        }

        Arrays.sort(mergedArray);

        return mergedArray;
    }
}

public static void main(String[] args)
{
    int[] array1 = new int[] {37, 30, -45, 12,
    int[] array2 = new int[] {20, -16, -9, 10};
    int[] mergedArray = mergeArray(array1, arra
    System.out.println("Array 1 : "+Arrays.toSt
    System.out.println("Array 2 : "+Arrays.toSt
    System.out.println("Merged Array : \n"+Arra
}
}
```





The screenshot shows a terminal window titled "MergeArray.java" with a "Saved" status. The terminal output is as follows:

```
Host name:Dakshayani  
SAP ID:51834500  
Array 1 : [37, 30, -45, 12, -6, 32, -1]  
Array 2 : [20, -16, -9, 10]  
Merged Array :  
[-45, -16, -9, -6, -1, 10, 12, 20, 30, 32, 37]  
  
Process finished.
```

5th question and answer



The screenshot shows a Java IDE with a file named `CountingStringWords.java`. The code defines a `CountingStringWords` class with a `main` method and a `count_Words` static method. The `main` method uses a `Scanner` to read input from the user and prints the host name and the number of words in the input string. The `count_Words` method iterates through the string, counting spaces to determine the number of words. The terminal output shows the program running successfully with the input "Hello I am Dakshayani." and outputting "Number of words in the string: 7".

```
1
2 import java.util.Scanner;
3 public class CountingStringWords
4
5     public static void main(String[] args)
6     {
7         Scanner in = new Scanner(System.in);
8         System.out.println("Host name:Dakshayani\nSAP:ID:51834500");
9         System.out.print("Input the string: ");
10        String str = in.nextLine();
11
12        System.out.print("Number of words in the string: ");
13    }
14
15    public static int count_Words(String str)
16    {
17        int count = 0;
18        if (!(" ".equals(str.substring(0, 1))) || !(" ".equals(str.substring(str.length() - 1, str.length()))))
19        {
20            for (int i = 0; i < str.length(); i++)
21            {
22                if (str.charAt(i) == ' ')
23                {
24                    count++;
25                }
26            }
27            count = count + 1;
28        }
29        return count;
30    }
31 }
```

Terminal

```
Host name:Dakshayani
SAP:ID:51834500
Input the string: Hello I am Dakshayani.
Number of words in the string: 7

Process finished.
```

Today's mock assignment

Marks:-14