

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.Likhitha");
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 elements");
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 }
```



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.
```



2nd Question :

```
← SingleSort.java Saved → ⋮

1  import java.util.Arrays;
2
3  public class Main
4  {
5      private static int[] mergeArray(int[] array1, int[] array2)
6      {
7          System.out.println("Author:M.Likhitha");
8          int[] mergedArray = new int[array1.length + array2.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, 3, 20};
34         int[] array2 = new int[] {27, 8, 71, -5, 4};
35         int[] mergedArray = mergeArray(array1, array2);
36
37         System.out.println("Array 1 : " + Arrays.toString(array1));
38         System.out.println("Array 2 : " + Arrays.toString(array2));
39         System.out.println("Merged Array : " + Arrays.toString(mergedArray));
40     }
41 }
⋮ File info ⓘ ▶
```






Out put Screen :

```
× 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.
```

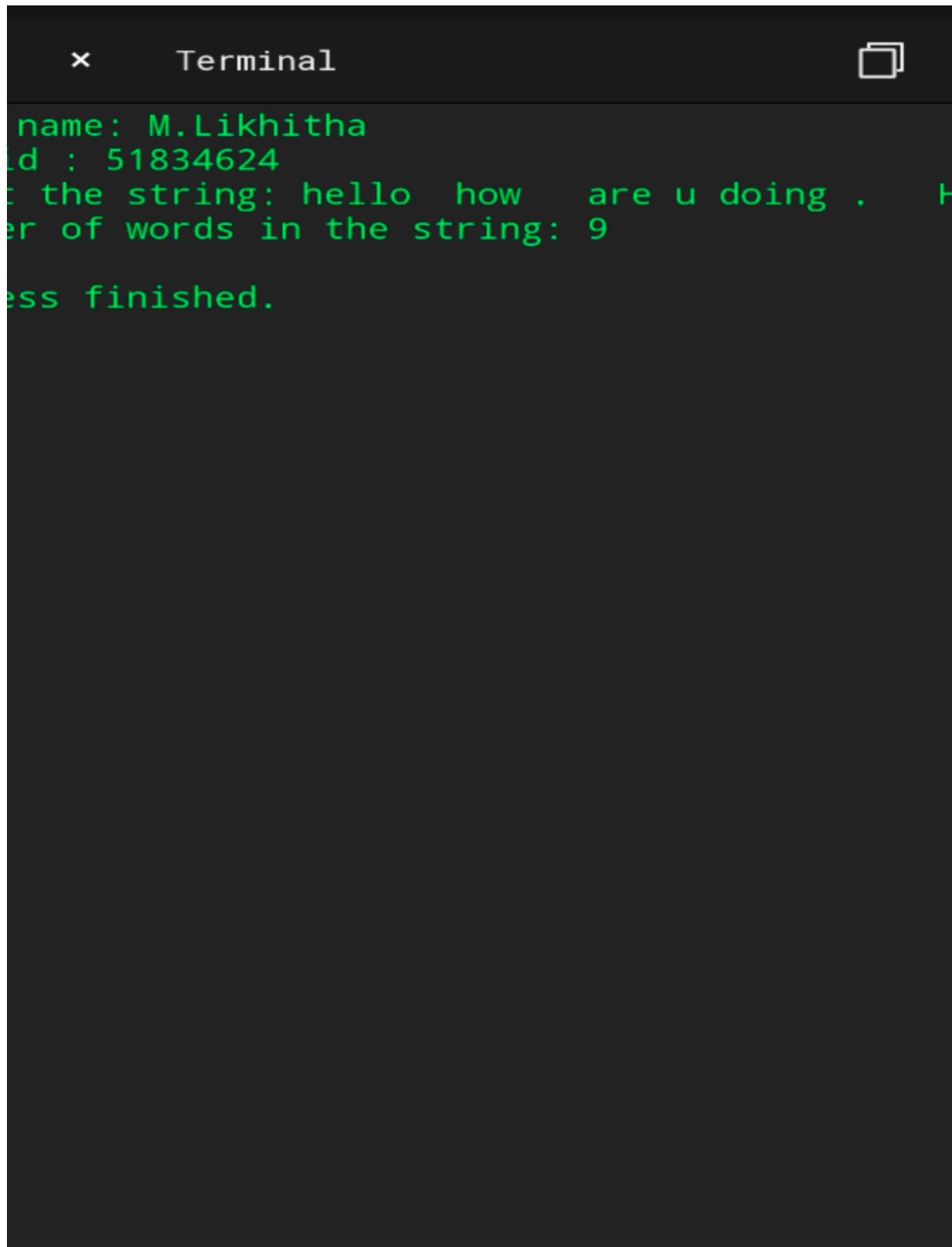


5th Question :

```
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  }
```



Output Screen:

A screenshot of a terminal window with a dark background. The window has a title bar with a close button (X), the text 'Terminal', and a maximize button. The output text is green. It shows a program that prints a name, an ID, a string, and the number of words in that string, followed by a completion message.

```
name: M.Likhitha  
Id : 51834624  
the string: hello how are u doing . H  
er of words in the string: 9  
ess finished.
```



Mcq test marks : 15 / 20

Grade : 7.5 / 10

