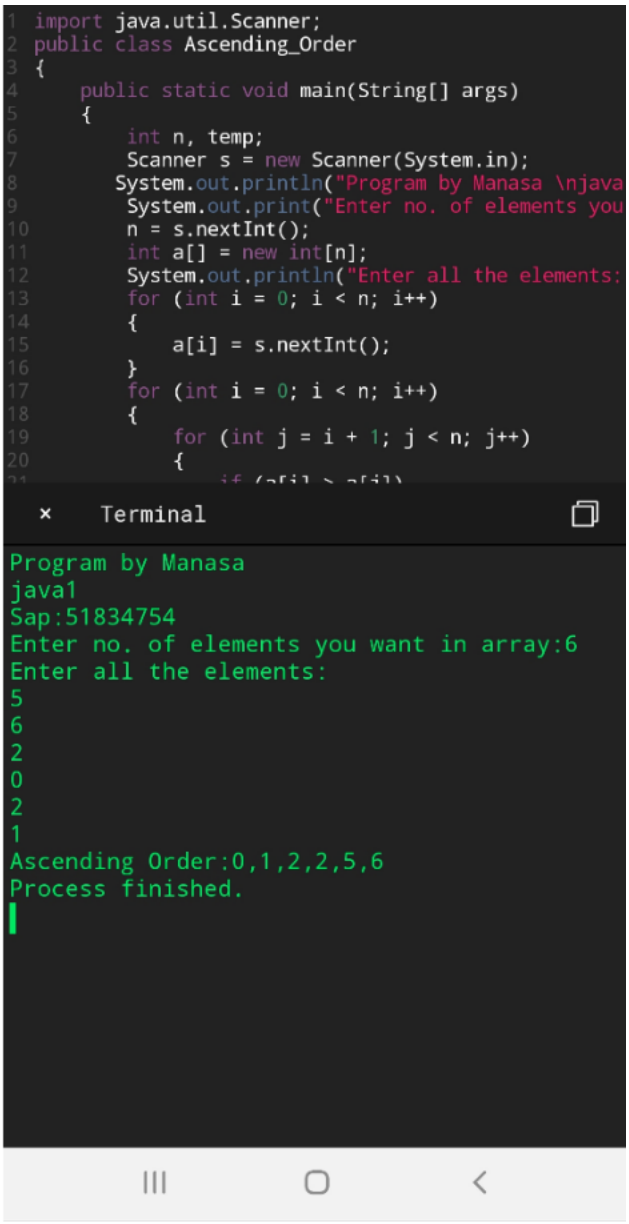
Question 1:

```
import java.util.Scanner;
public class Ascending_Order
{
   public static void main(String[] args)
   {
      int n, temp;
      Scanner s = new Scanner(System.in);
     System.out.println("Program by Manasa \njava1\nSap:51834754");
      System.out.print("Enter no. of elements you want in array:");
      n = s.nextInt();
      int a[] = new int[n];
      System.out.println("Enter all the elements:");
      for (int i = 0; i < n; i++)
      {
         a[i] = s.nextInt();
      }
      for (int i = 0; i < n; i++)
      {
         for (int j = i + 1; j < n; j++)
         {
            if (a[i] > a[j])
            {
               temp = a[i];
               a[i] = a[j];
```

```
                a[j] = temp;
            }
        }
    }
    System.out.print("Ascending Order:");
    for (int i = 0; i < n - 1; i++)
    {
        System.out.print(a[i] + ",");
    }
    System.out.print(a[n - 1]);
  }
}
```

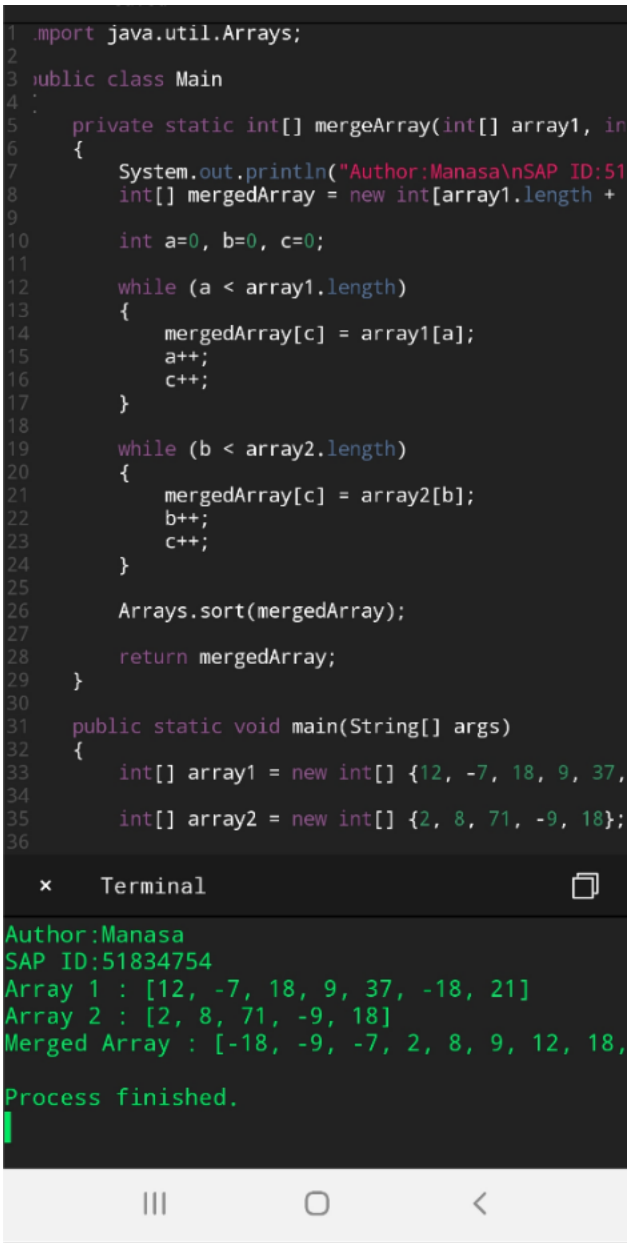


Question 2:

```
import java.util.Arrays;


public class Main
{
```

```
private static int[] mergeArray(int[] array1, int[] array2)
{
    System.out.println("Author:Manasa\nSAP ID:51834754");
    int[] mergedArray = new int[array1.length + array2.length];

    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[] {12, -7, 18, 9, 37, -18, 21};

        int[] array2 = new int[] {2, 8, 71, -9, 18};

        int[] mergedArray = mergeArray(array1, array2);

        System.out.println("Array 1 : "+Arrays.toString(array1));

        System.out.println("Array 2 : "+Arrays.toString(array2));

        System.out.println("Merged Array : "+Arrays.toString(mergedArray));
    }
}
```



Question 5:

```
import java.util.Scanner;

public class Exercise5 {


  public static void main(String[] args)
```

```
  {
     Scanner in = new Scanner(System.in);
     System.out.println("Program by Manasa\nJava1\nSap:51834754");

     System.out.print("Input the string: ");
     String str = in.nextLine();

     System.out.print("Number of words in the string: " + count_Words(str)+"\n");
  }

public static int count_Words(String str)
  {
    int count = 0;
     if (!(" ".equals(str.substring(0, 1))) || !(" ".equals(str.substring(str.length() - 1))))
     {
        for (int i = 0; i < str.length(); i++)
        {
           if (str.charAt(i) == ' ')
           {
              count++;
           }
        }
        count = count + 1;
     }
     return count; // returns 0 if string starts or ends with space " ".
```

```
  }

}
```

```java
import java.util.Scanner;
public class Exercise5 {

   public static void main(String[] args)
     {
         Scanner in = new Scanner(System.in);
         System.out.println("Program by Manasa\nJava

         System.out.print("Input the string: ");
         String str = in.nextLine();

         System.out.print("Number of words in the st
     }

 public static int count_Words(String str)
     {
        int count = 0;
         if (!(" ".equals(str.substring(0, 1))) || !
         {
             for (int i = 0; i < str.length(); i++)
             {
                 if (str.charAt(i) == ' ')
                 {
                     count++;
                 }
             }
             count = count + 1;
         }
         return count; // returns 0 if string starts
     }
 }
```

```
Terminal
Program by Manasa
Java1
Sap:51834754
Input the string: hi
Number of words in the string: 1

Process finished.
```