July 27 Assignment

Question2:

```java
import java.util.Arrays;


public class Main

{

   private static int[] mergeArray(int[] array1, int[] array2)

  {

      System.out.println("Author:T. Iswarya\nSAP ID:51834773");

      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++;
```

```java
        }

        Arrays.sort(mergedArray);

        return mergedArray;
    }

    public static void main(String[] args)
    {
        int[] array1 = new int[] {12, -17, 8, 9, 27, -11, 21};

        int[] array2 = new int[] {27, 18, 51, -9, 11};

        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));
    }
}
```

Output:

Author:T. Iswarya

SAP ID:51834773

Array 1 : [12, -17, 8, 9, 27, -11, 21]

Array 2 : [27, 18, 51, -9, 11]

Merged Array : [-17, -11, -9, 8, 9, 11, 12, 18, 21, 27, 27, 51]

Process finished.

Question5:

```java
import java.util.Scanner;

public class Main
{

  public static void main(String args[])
  {
      System.out.println("Author:T. Iswarya\nSAP ID:51834773");
    System.out.println("Enter the string");

    Scanner sc = new Scanner(System.in);

    String a = sc.nextLine();

    int count = 1;

    for (int x = 0; x < a.length() - 1; x++)
    {
      if ((a.charAt(x) == ' ') && (a.charAt(x + 1) != ' '))
      {
```

```java
            count++;

        }

    }


        System.out.println("Number of words in a string = " + count);

    }

}
```

Output:

```
┌─────────────────────────────────────────┐
│  ×      Terminal                    ⧉    │
├─────────────────────────────────────────┤
│ Author:T. Iswarya                        │
│ SAP ID:51834773                          │
│ Enter the string                         │
│ I have two Chocolates                    │
│ Number of words in a string = 4          │
│                                          │
│ Process finished.                        │
│                                          │
└─────────────────────────────────────────┘
```