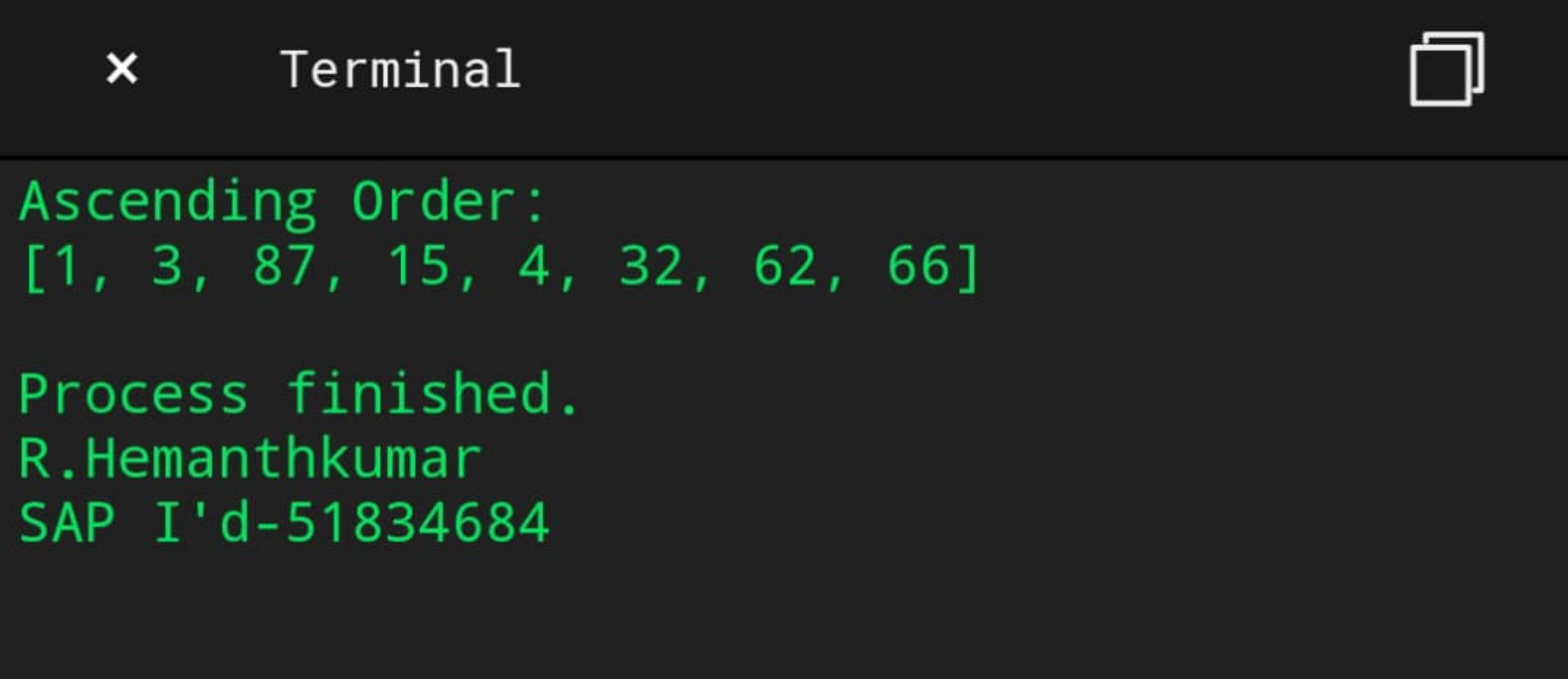
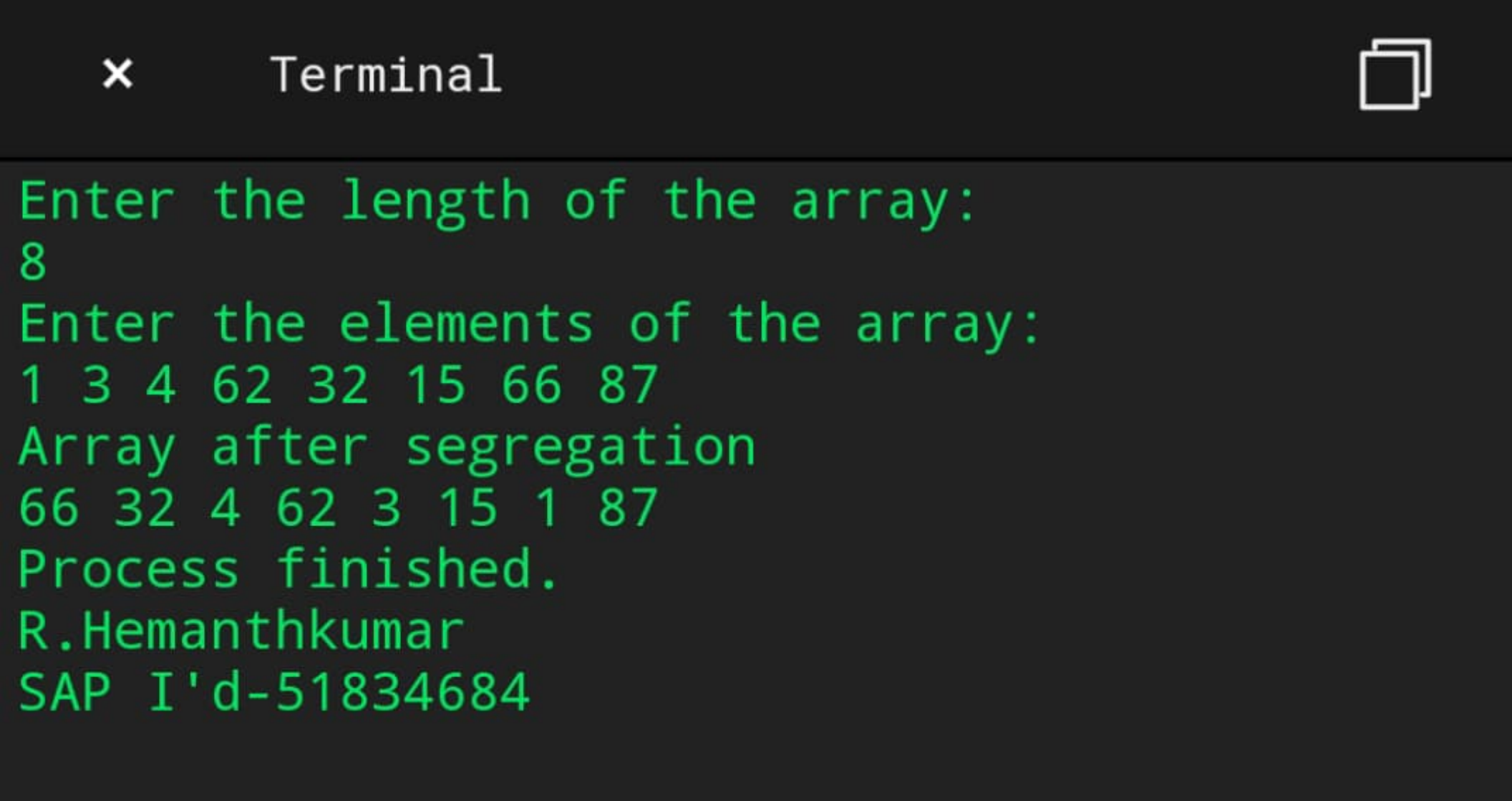
```java
import java.util.Arrays;
import java.util.Collections;
public class AscendingOrder
{
    static void twoWaySort(Integer arr[], int n)
    {
        int l = 0, r = n - 1;
        int k = 0;

        while (l < r)
        {
            while (arr[l] % 2 != 0)
            {
                l++;
                k++;
            }
            while (arr[r] % 2 == 0 && l < r)
                r--;
            if (l < r)
            {
                int temp = arr[l];
                arr[l] = arr[r];
                arr[r] = temp;
            }
        }
        Arrays.sort(arr, k, n);
    }
    public static void main(String[] args)
    {
        Integer arr[] = { 1,3,4,62,32,15,66,87 };
        System.out.println("Ascending Order: ");
        twoWaySort(arr, arr.length);
        System.out.println(Arrays.toString(arr));
    }
}
```


Terminal
Ascending Order:
[1, 3, 87, 15, 4, 32, 62, 66]
Process finished.
R.Hemanthkumar
SAP I'd-51834684

```java
import java.io.*;
import java.util.*;
class Bifurcate
{
  static void segregateEvenOdd(int arr[])
  {
    int left = 0, right = arr.length - 1;
    while (left < right)
    {
      while (arr[left]%2 == 0 && left < right)
        left++;
      while (arr[right]%2 == 1 && left < right)
        right--;
      if (left < right)
      {
        int temp = arr[left];
        arr[left] = arr[right];
        arr[right] = temp;
        left++;
        right--;
      }
    }
  }
  public static void main (String[] args)
  {
   Scanner s = new Scanner(System.in);
   System.out.println("Enter the length of the array:
   int length = s.nextInt();
   int [] arr  = new int[length];
   System.out.println("Enter the elements of the arra
   for(int i=0; i<length; i++ )
   {
     arr[i] = s.nextInt();
   }
    segregateEvenOdd(arr);
    System.out.println("Array after segregation ");
    for (int i = 0; i < arr.length; i++)
      System.out.print(arr[i]+" ");
  }
}
```


Terminal
Enter the length of the array:
8
Enter the elements of the array:
1 3 4 62 32 15 66 87
Array after segregation
66 32 4 62 3 15 1 87
Process finished.
R.Hemanthkumar
SAP I'd-51834684

```
abstract class House{
  abstract void BedRoom();
  abstract void Hall();
  abstract void Kitchen();
  abstract void DiningRoom();
  abstract void Balcony();
}
 class Mansion extends House
 {
  void BedRoom()
  {
    System.out.println("House has Bed Room");
  }
  void Hall()
  {
    System.out.println("House has Hall");
  }
  void Kitchen()
  {
    System.out.println("House has Kitchen");
  }
  void DiningRoom()
  {
    System.out.println("House has Dining Room");
  }
  void Balcony()
  {
    System.out.println("house has Balcony");
  }
 }
 class villa
 {
  public static void main(String args[])
  {
    System.out.println("House_Name:");
    House s=new Mansion();
    s.BedRoom();
    s.Hall();
    s.Kitchen();
    s.DiningRoom();
    s.Balcony();
  }
  }
```

```
House_Name:
House has Bed Room
House has Hall
House has Kitchen
House has Dining Room
house has Balcony

Process finished.
R.Hemanthkumar
SAP Id-51834684
```

```java
public class Main
{
 public static void main(String[] args)
 {
  int val=1;
  System.out.print("Output: ");
  for(int i=0;i<7;i++)
  {
   for(int j=1;j<i;j++)
   {
    System.out.print(val);
     val++;
   }
    System.out.print("\n");
  }
 }
}

```

```
Output:

1
23
456
78910
1112131415

Process finished.
R.Hemanthkumar
SAP I'd-51834684
```

```java
public class Merge
{
    public static void main(String b[])
    {
        int count;
        String temp;
        count = b[0];
        String str[] = new String[count];
        for(int i = 0; i < count; i++)
        {
            str[i] = b[i];
        }
        for (int i = 0; i < count; i++)
        {
            for (int j = i + 1; j < count; j++)
             {
                if (str[i].compareTo(str[j])>0)
                {
                    temp = str[i];
                    str[i] = str[j];
                    str[j] = temp;
                }
            }
        }
        for (int i = 0; i <= count - 1; i++)
        {
            System.out.print(str[i] + ", ");
        }
    }
}
```