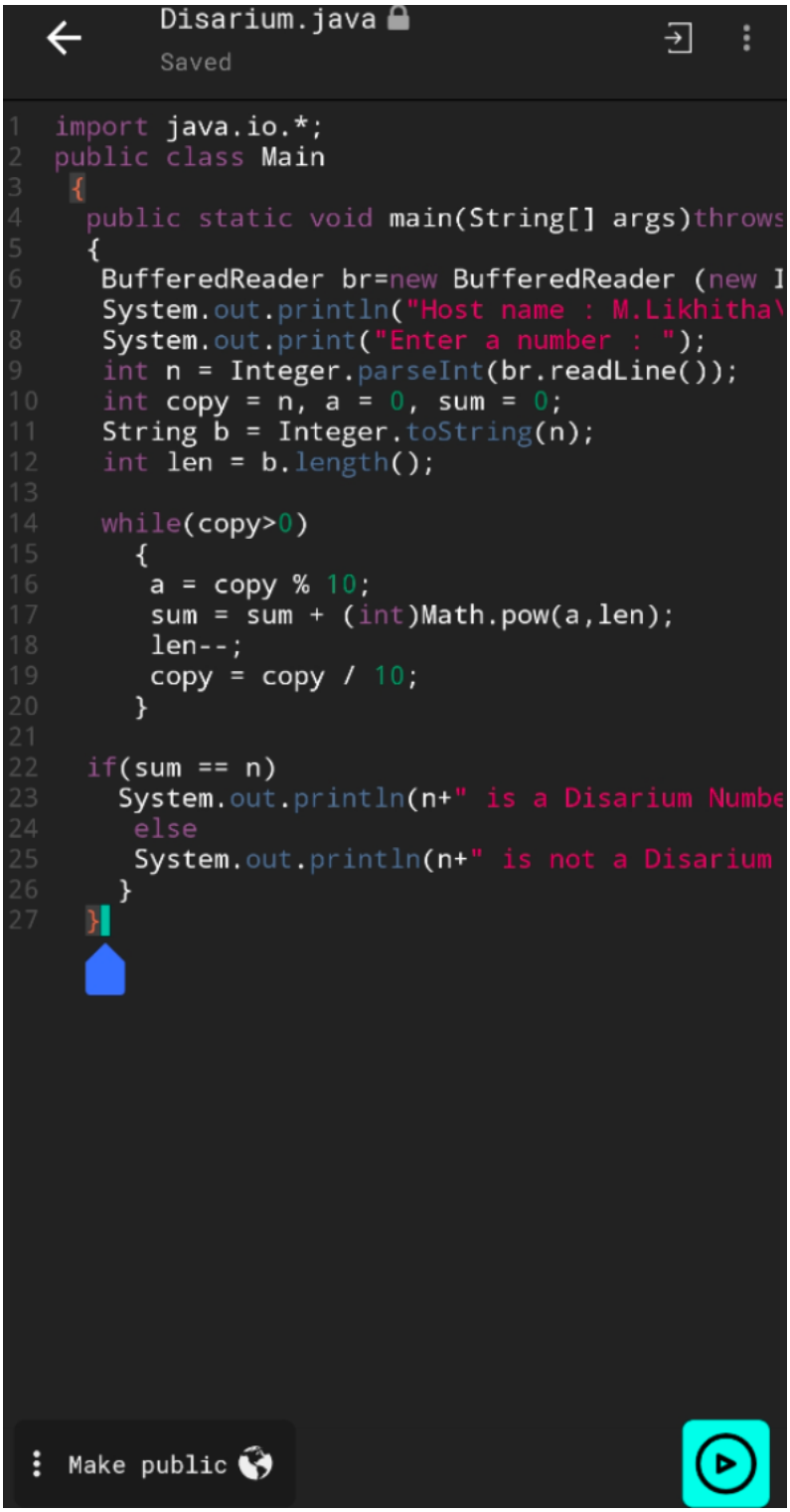
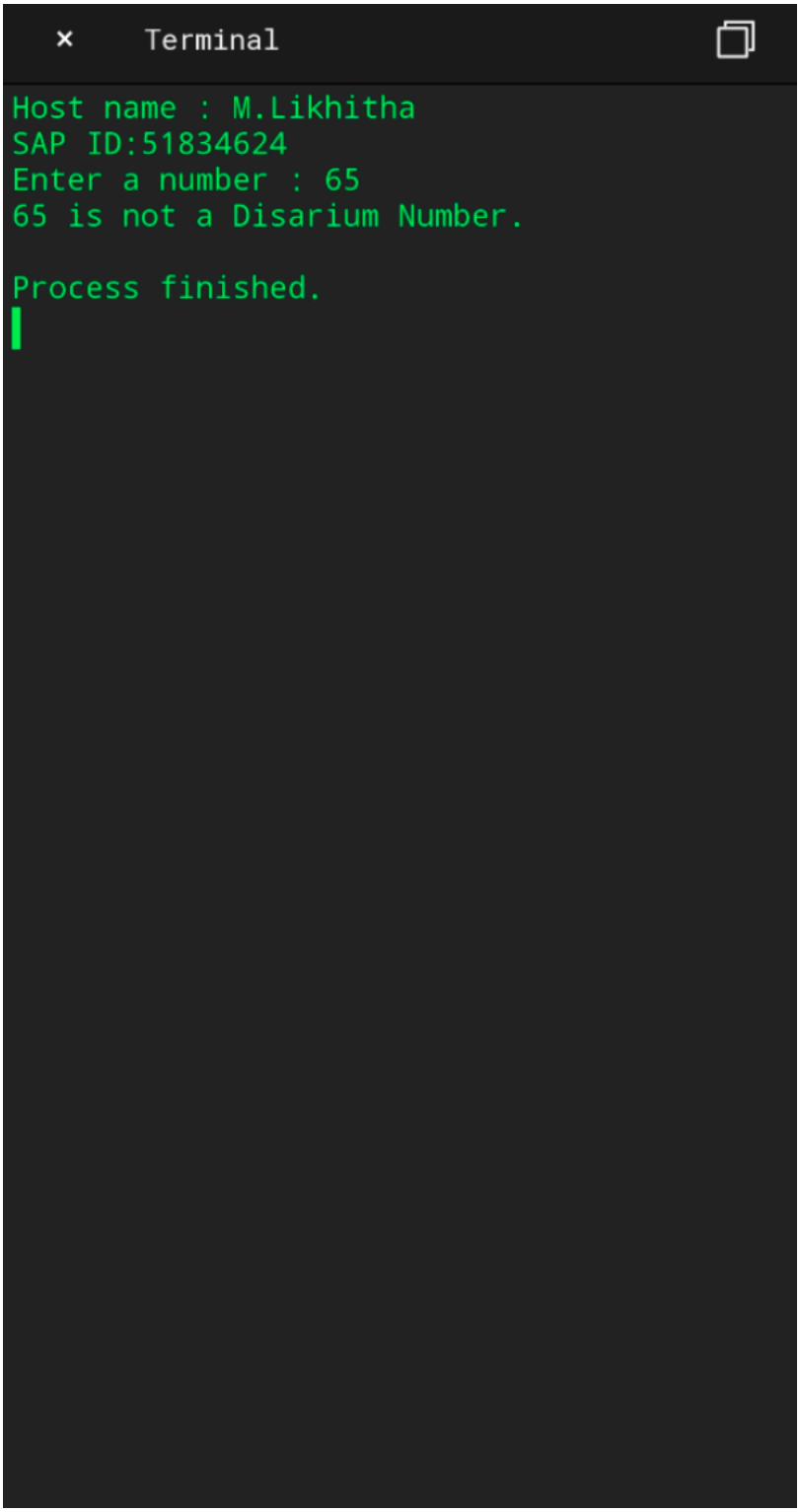
M.Likhitha.

SAP ID : 51834624.

1st Question :



Output Screen :



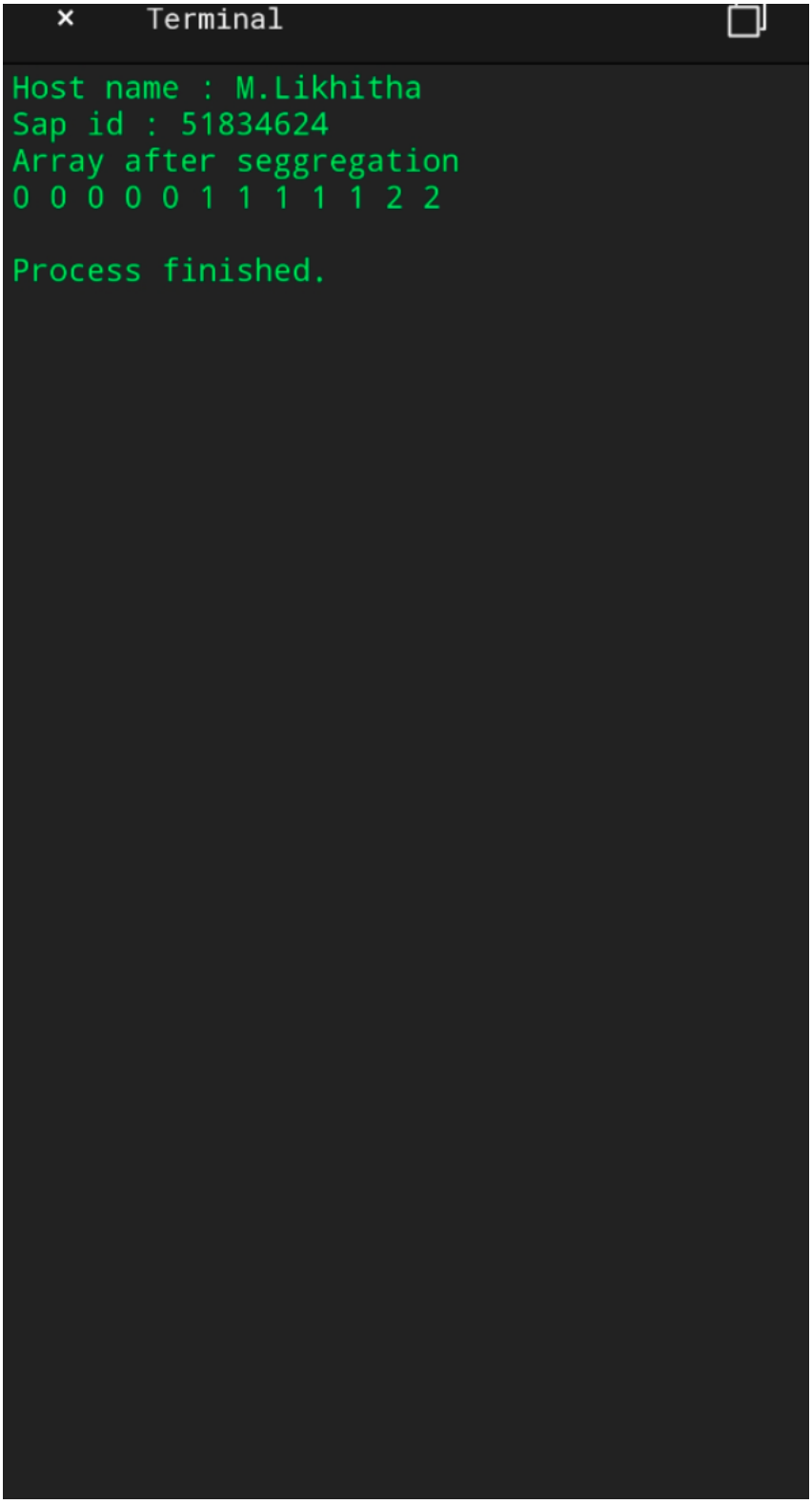
2nd Question :

SortingOfBinary.java

Saved

```java
import java.io.*;
class countzot {
 static void sort012(int a[], int arr_size)
  {
    int lo = 0;
    int hi = arr_size - 1;
    int mid = 0, temp = 0;
    while (mid <= hi) {
      switch (a[mid]) {
      case 0: {
        temp = a[lo];
        a[lo] = a[mid];
        a[mid] = temp;
        lo++;
        mid++;
        break;
      }
      case 1:
        mid++;
        break;
      case 2: {
        temp = a[mid];
        a[mid] = a[hi];
        a[hi] = temp;
        hi--;
        break;
      }
      }
    }
  }
  static void printArray(int arr[], int arr_si
  {
    int i;
    for (i = 0; i < arr_size; i++)
      System.out.print(arr[i] + " ");
    System.out.println("");
  }
   public static void main(String[] args)
  {
    System.out.println("Host name : M.Likhitha
    int arr[] = { 0, 1, 1, 0, 1, 2, 1, 2, 0, 0
    int arr_size = arr.length;
    sort012(arr, arr_size);
                println("Array after segg
Make public      arr, arr_size);
```

Out Put Screen :



3rd Question :

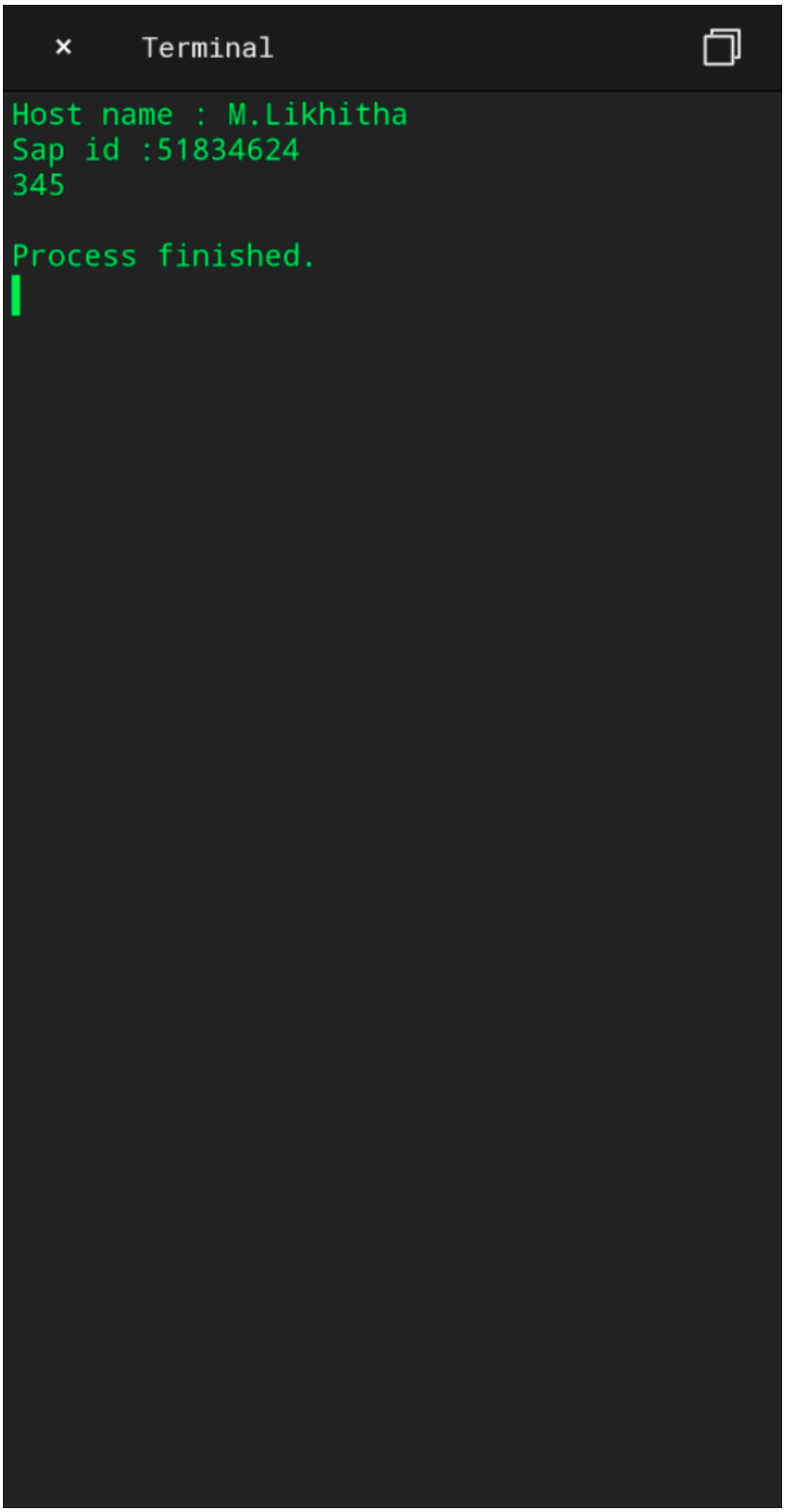
MainC.java

Saved

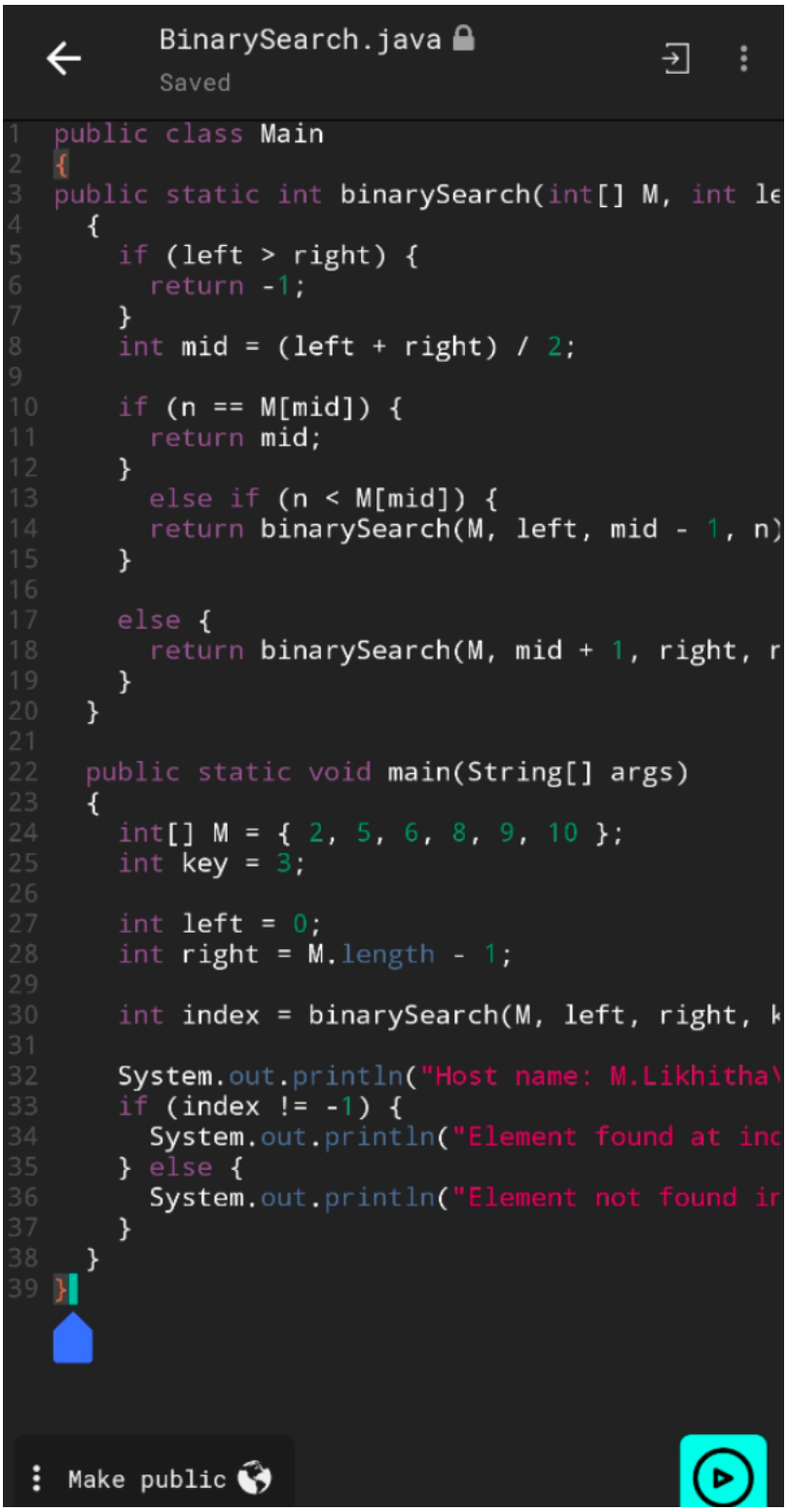
```java
// Java program to replace a digit
// with other in a given number.
class Main
{
static int replaceDigit(int x, int d1,
                int d2)
{
  int result = 0, multiply = 1;

  while (x % 10 > 0)
  {

    // Take remainder of number
    // starting from the unit
    // place digit
    int remainder = x % 10;

    // check whether it is equal
    // to the digit to be replaced.
    // if yes then replace
    if (remainder == d1)
      result = result + d2 * multiply;

    else // else remain as such
      result = result + remainder * multiply;

    // Update and move forward
    // from unit place to
    // hundred place and so on.
    multiply *= 10;
    x = x / 10; // update the value
  }
  return result;
}


public static void main(String[] args)
{
   System.out.println("Host name : M.Likhitha
  int x = 345, d1 = 6, d2 = 5;
  System.out.println(replaceDigit(x, d1, d2));
}
}
```

Make public

Output Screen :



5th Question :



Output Screen :