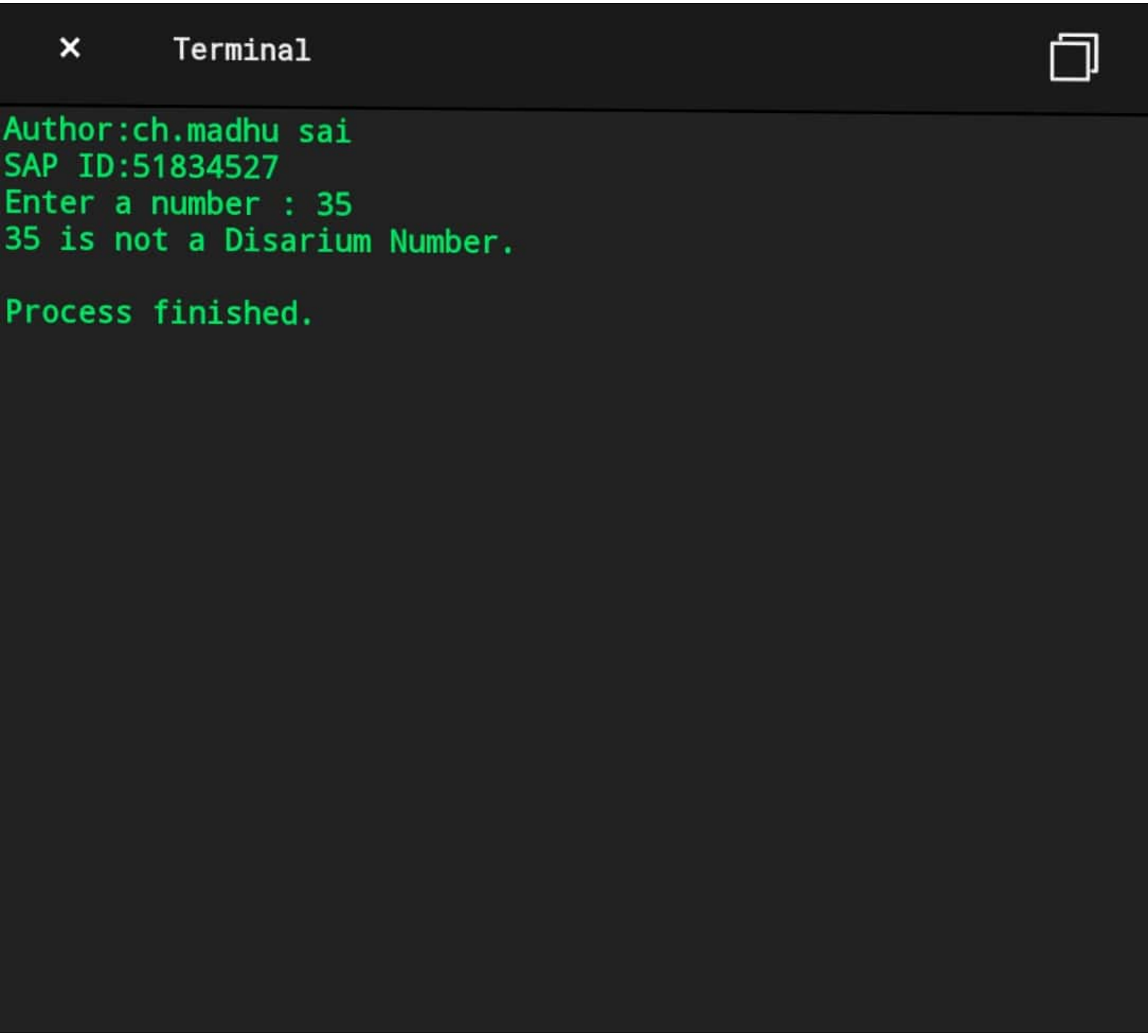
hcl.java

Saved

```java
//question 1//
import java.io.*;
public class main
    {
    public static void main(String[] args)throws IOException
        {
            BufferedReader br=new BufferedReader (new InputStreamRead
            System.out.println("Author:ch.madhu sai\nSAP ID:51834527"
            System.out.print("Enter a number : ");
            int n = Integer.parseInt(br.readLine());
            int copy = n, a = 0, sum = 0;
            String b = Integer.toString(n);
            int len = b.length();

            while(copy>0)
            {
                a = copy % 10;
                sum = sum + (int)Math.pow(a,len);
                len--;
                copy = copy / 10;
            }

            if(sum == n)
                System.out.println(n+" is a Disarium Number.");
            else
                System.out.println(n+" is not a Disarium Number.");
        }
    }
```



hcl.java

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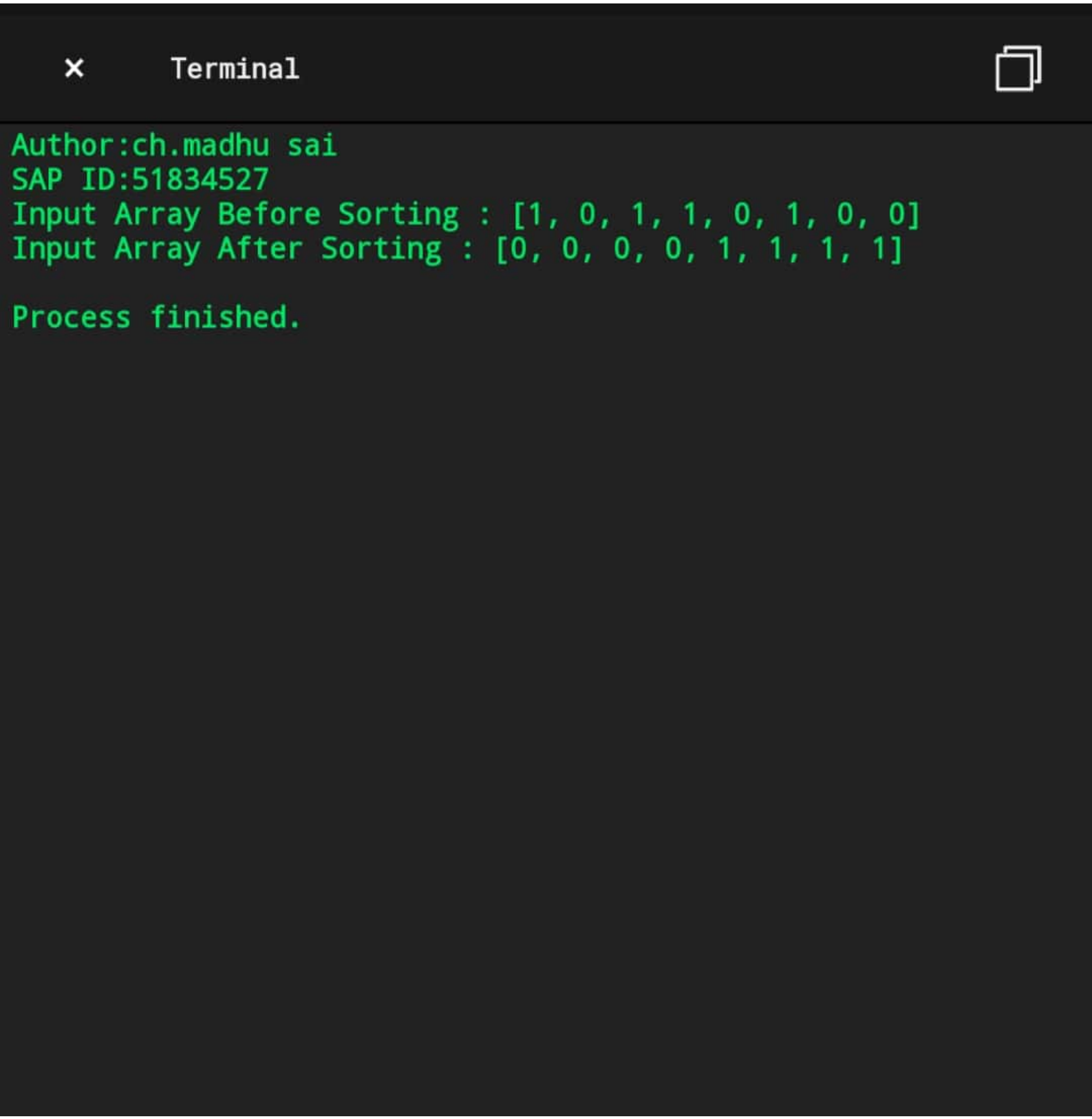
```java
//question 2//
import java.util.Arrays;

public class Main
{
    private static void sortBinaryArray(int[] inputArray)
    {
        int zeroCount = 0;

        System.out.println("Author:ch.madhu sai\nSAP ID:51834527");
        System.out.println("Input Array Before Sorting : "+Arrays.toSt


        for (int n = 0; n < inputArray.length; n++)
        {
            if (inputArray[n] == 0)
            {
                zeroCount++;
            }
        }


        for (int n = 0; n < zeroCount; n++)
        {
            inputArray[n] = 0;
        }


        for (int n = zeroCount; n < inputArray.length; n++)
        {
            inputArray[n] = 1;
        }

        System.out.println("Input Array After Sorting : "+Arrays.toStr
    }

    public static void main(String[] args)
    {
        sortBinaryArray(new int[] {1, 0, 1, 1, 0, 1, 0, 0});
    }
}
```



hcl.java

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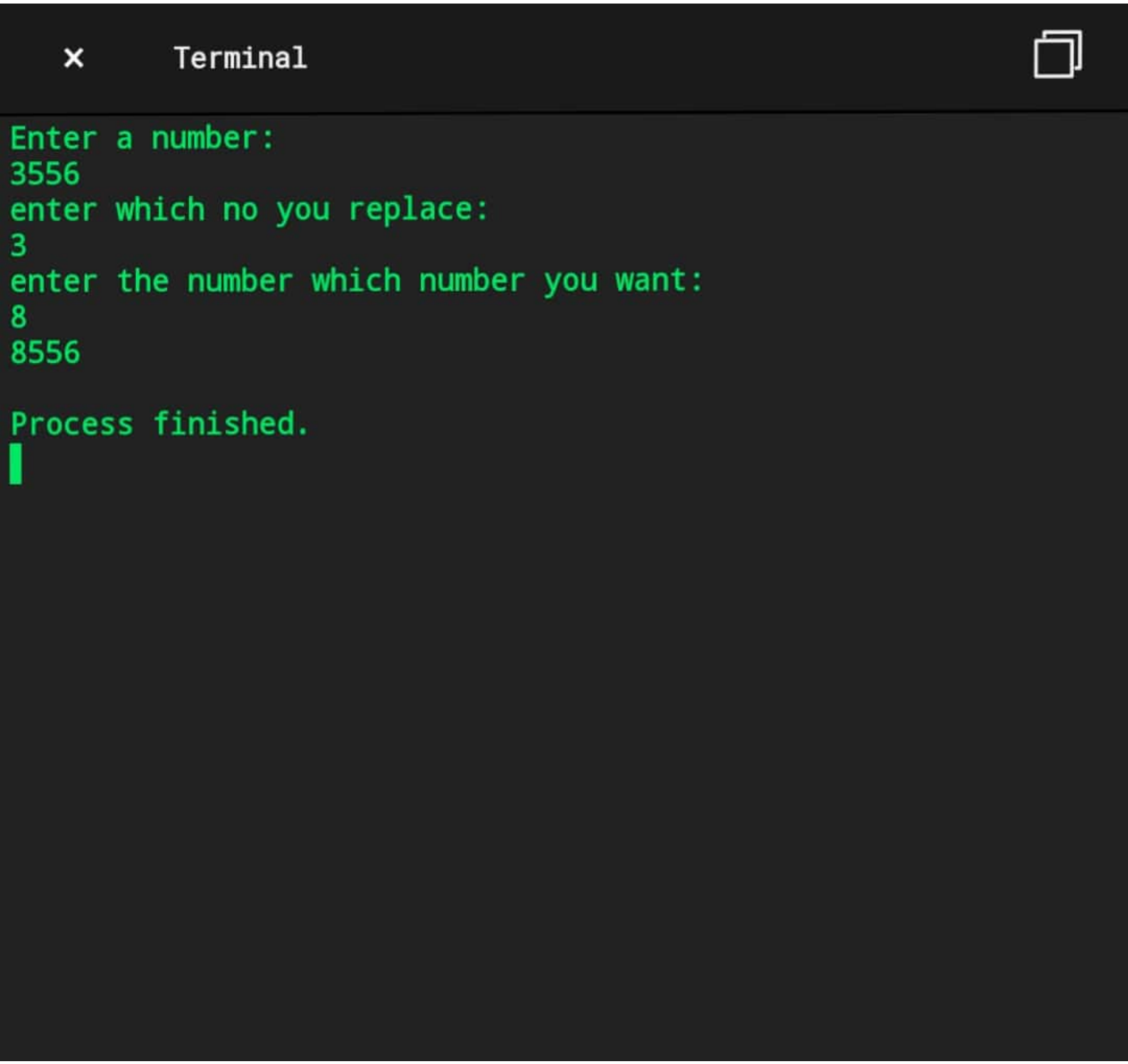
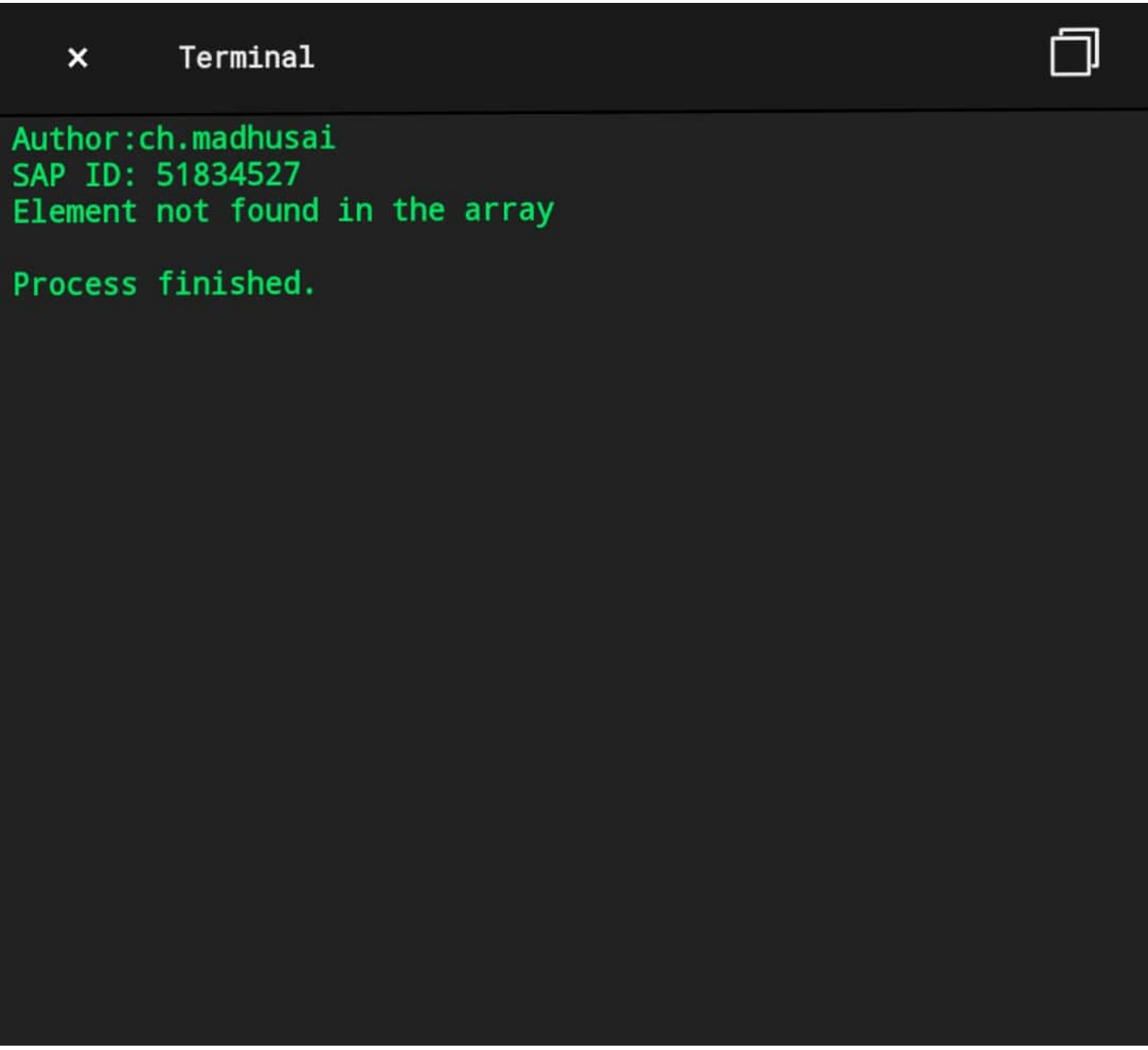
```java
//question 3//
import java.util.*;
import java.lang.*;
// Java program to replace a digit
// with other in a given number.
class GFG
{
static int replaceDigit(int x, int d1,
                                int d2)
{
    int result = 0, multiply = 1;

    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;
}
// Driver code
public static void main(String[] args)
{
  Scanner sc=new Scanner(System.in);
  System.out.println("Enter a number:");
    int x =sc.nextInt();
  System.out.println("enter which no you replace:");
   int  d1 =sc.nextInt();
  System.out.println("enter the number which number you want:");
  int d2 =sc.nextInt();
    System.out.println(replaceDigit( x, d1, d2));
}
}
```



hcl.java

Saved

```java
//question 5//
public class Main
{
    public static int binarySearch(int[] M, int left, int right, int r
    {
        if (left > right) {
            return -1;
        }


        int mid = (left + right) / 2;

        if (n == M[mid]) {
            return mid;
        }

        else if (n < M[mid]) {
            return binarySearch(M, left, mid - 1, n);
        }

        else {
            return binarySearch(M, mid + 1, right, n);
        }
    }

    public static void main(String[] args)
    {
        int[] M = { 2, 5, 6, 8, 9, 10 };
        int key = 3;

        int left = 0;
        int right = M.length - 1;

        int index = binarySearch(M, left, right, key);

        System.out.println("Author:ch.madhusai\nSAP ID: 51834527");
        if (index != -1) {
            System.out.println("Element found at index " + index);
        } else {
            System.out.println("Element not found in the array");
        }
    }
}
```



JAVA_QUIZ_DAY_6

Attempts allowed: 1

This quiz opened at Thursday, 23 July 2020, 3:00 PM

This quiz will close at Thursday, 23 July 2020, 4:00 PM

Time limit: 30 mins

SUMMARY OF YOUR PREVIOUS ATTEMPTS

State	Marks / 20.00	Grade / 10.00	Review
Finished Submitted Thursday, 23 July 2020, 3:39 PM	7.00	3.50	

YOUR FINAL GRADE FOR THIS QUIZ IS 3.50/10.00.

No more attempts are allowed

Back to the course