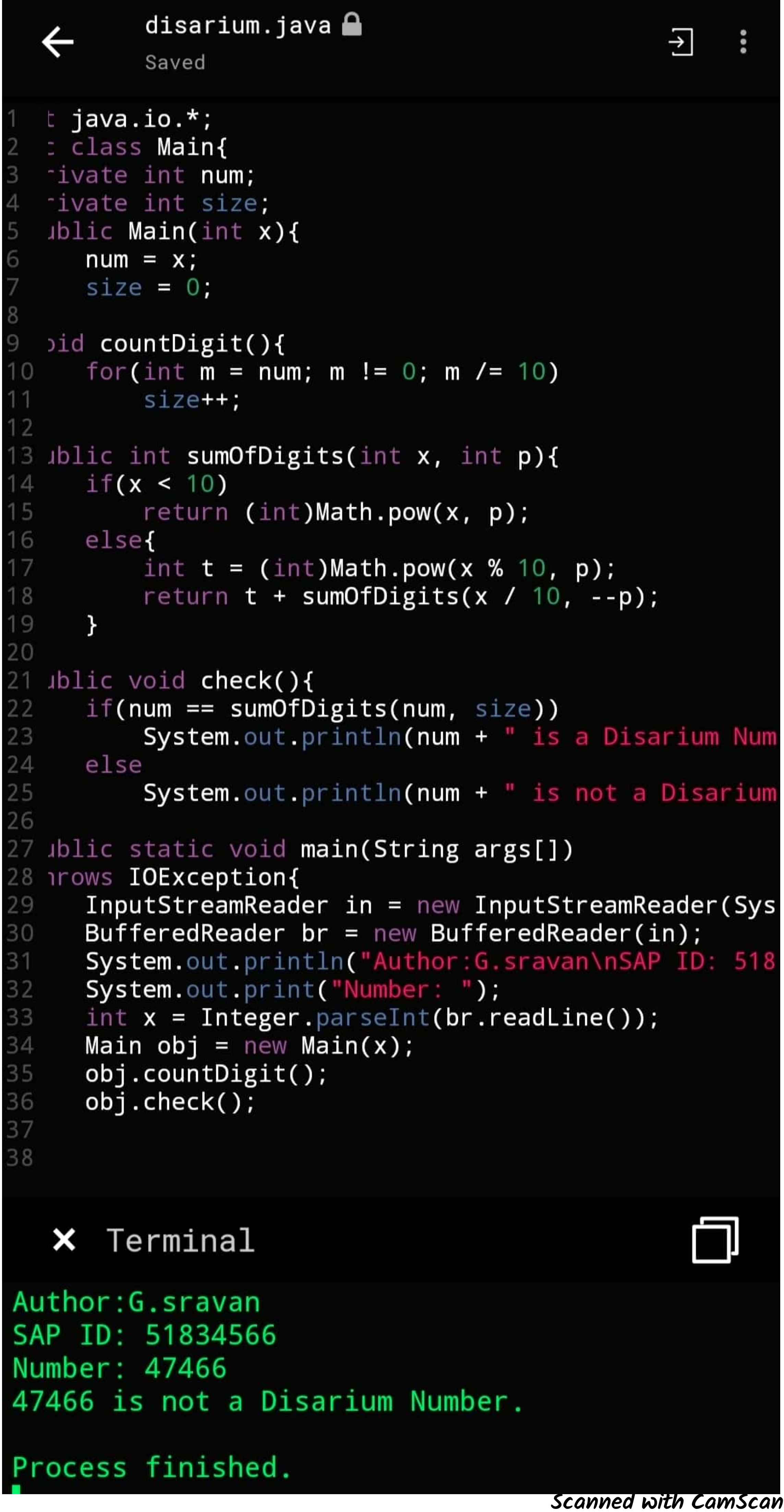
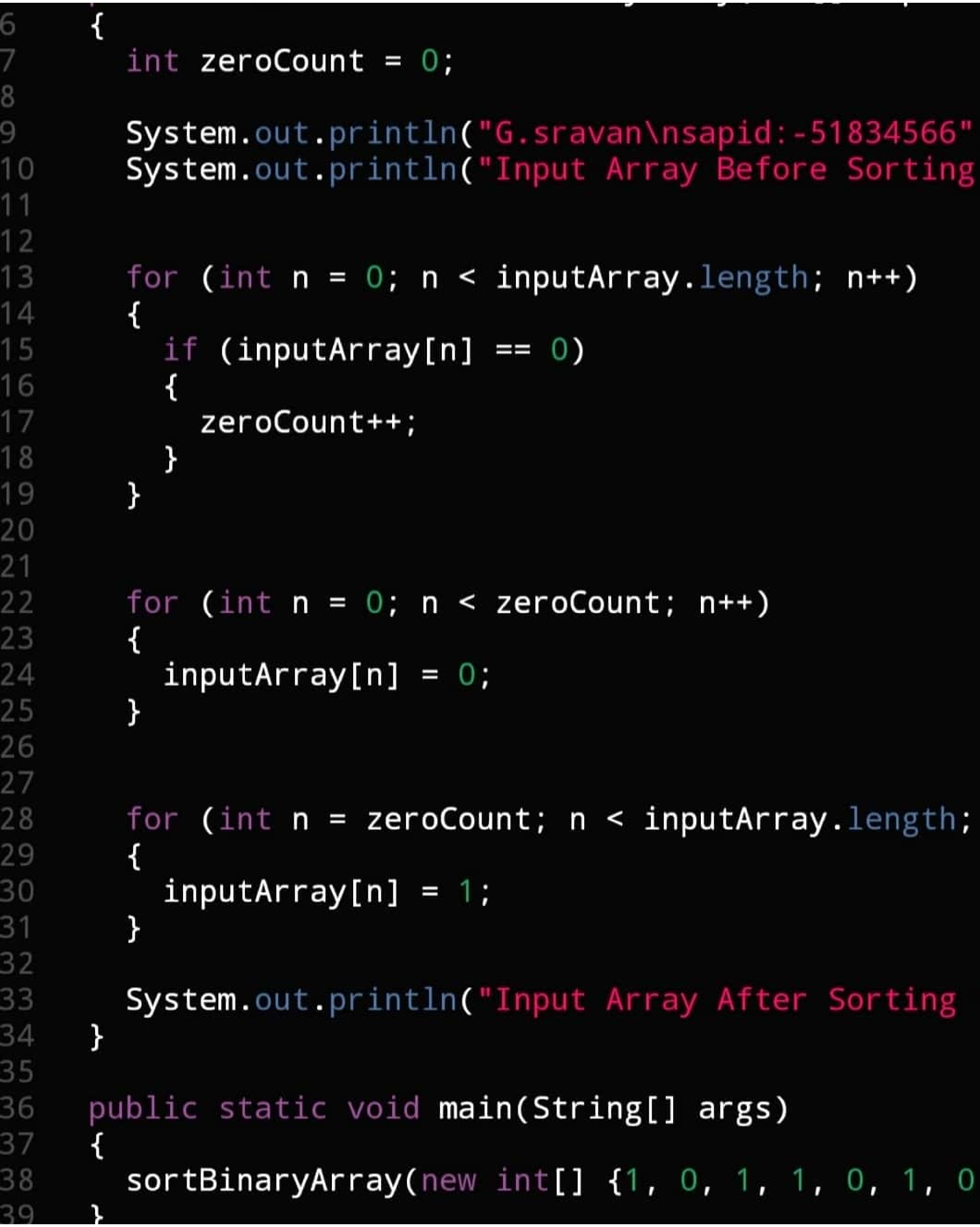
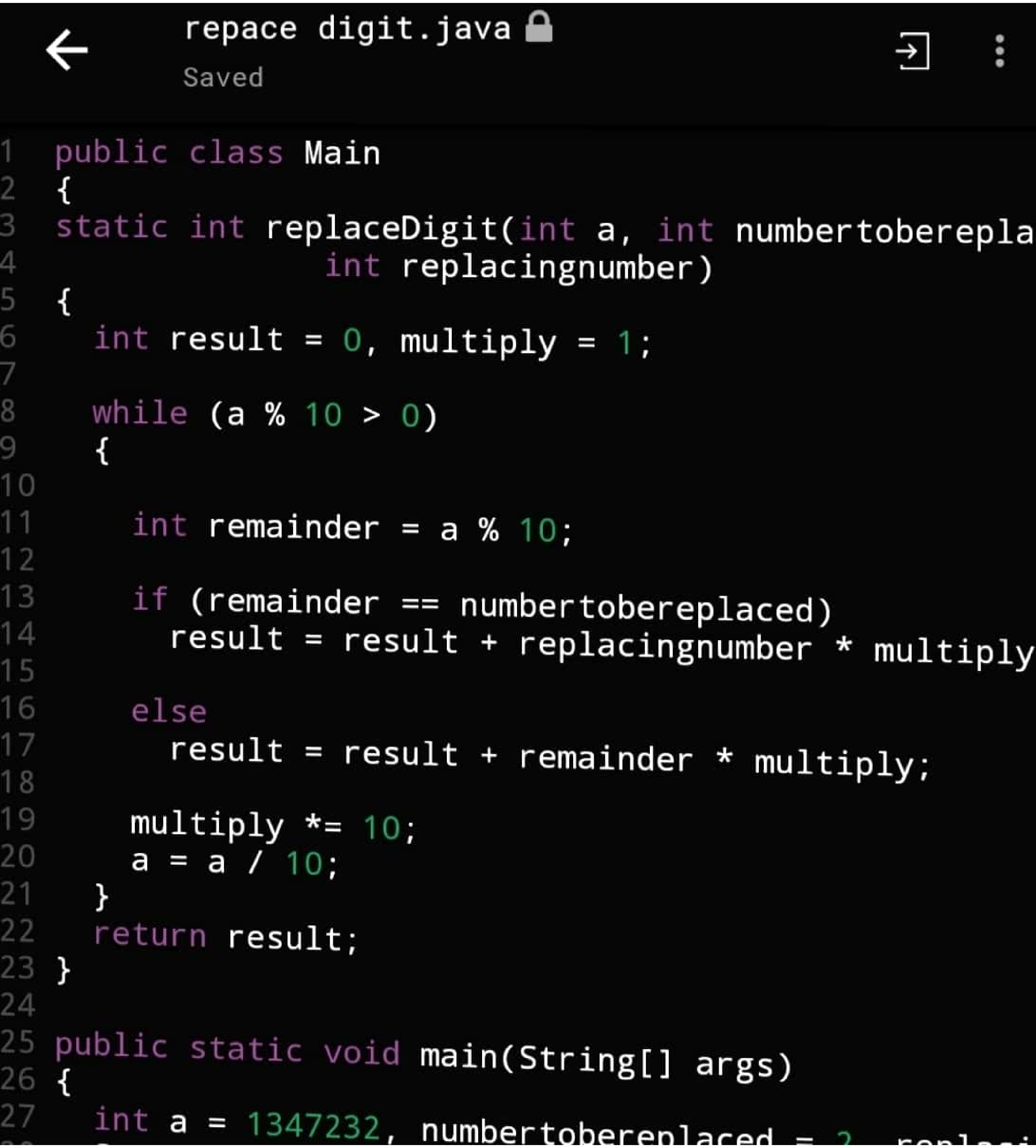


```
t java.io.*;
: class Main{
-ivate int num;
-ivate int size;
ıblic Main(int x){
   num = x;
   size = 0;

)id countDigit(){
   for(int m = num; m != 0; m /= 10)
       size++;

ıblic int sumOfDigits(int x, int p){
   if(x < 10)
       return (int)Math.pow(x, p);
   else{
       int t = (int)Math.pow(x % 10, p);
       return t + sumOfDigits(x / 10, --p);
   }

ıblic void check(){
   if(num == sumOfDigits(num, size))
       System.out.println(num + " is a Disarium Num
   else
       System.out.println(num + " is not a Disarium

ıblic static void main(String args[])
ırows IOException{
   InputStreamReader in = new InputStreamReader(Sys
   BufferedReader br = new BufferedReader(in);
   System.out.println("Author:G.sravan\nSAP ID: 518
   System.out.print("Number: ");
   int x = Integer.parseInt(br.readLine());
   Main obj = new Main(x);
   obj.countDigit();
   obj.check();
```

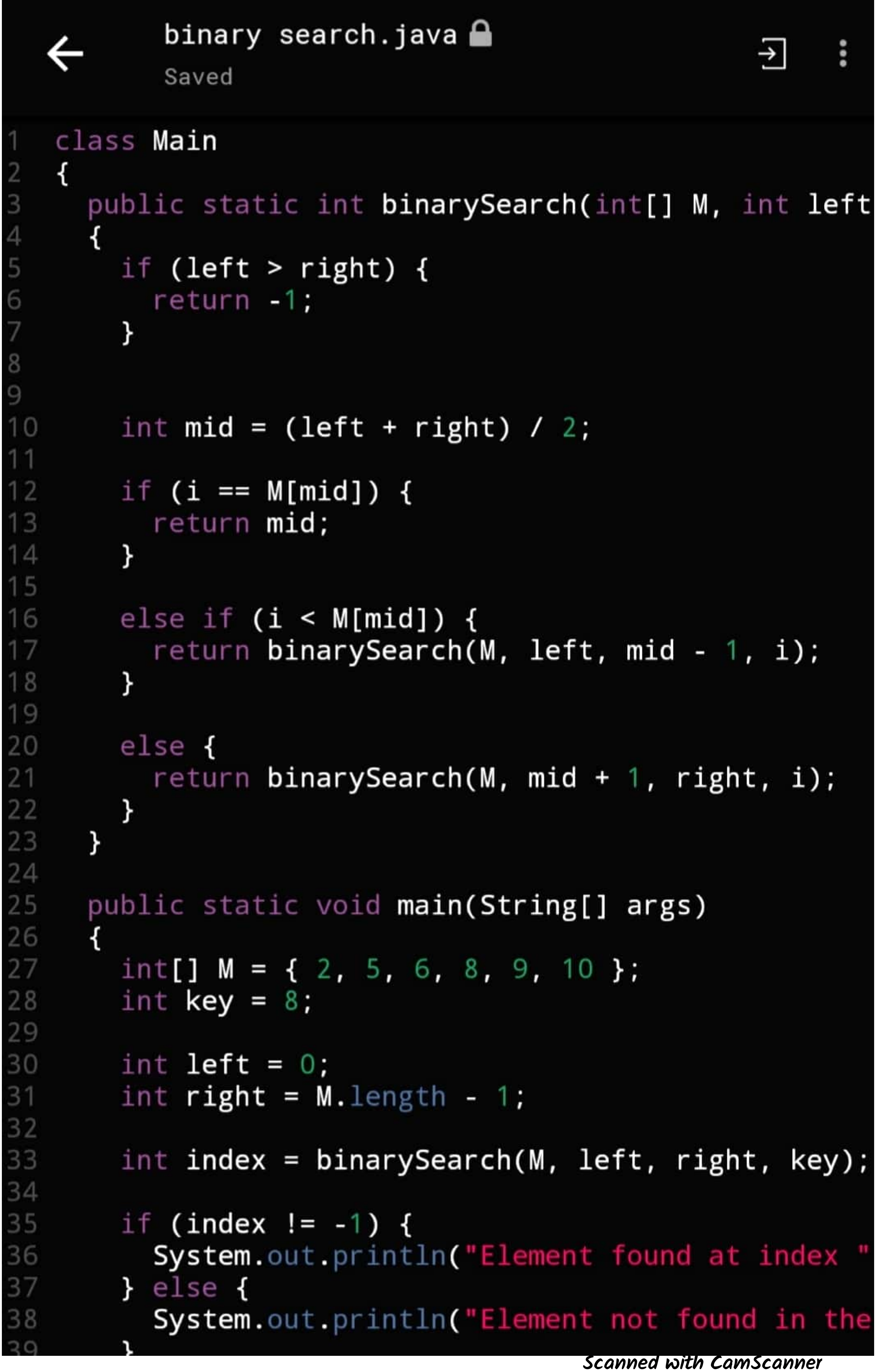
```
Author:G.sravan
SAP ID: 51834566
Number: 47466
47466 is not a Disarium Number.

Process finished.
```



```
{
  int zeroCount = 0;

  System.out.println("G.sravan\nsapid:-51834566"
  System.out.println("Input Array Before Sorting


  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;
  {
    inputArray[n] = 1;
  }

  System.out.println("Input Array After Sorting
}

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



```
public class Main
{
static int replaceDigit(int a, int numbertoberepla
              int replacingnumber)
{
  int result = 0, multiply = 1;

  while (a % 10 > 0)
  {

    int remainder = a % 10;

    if (remainder == numbertobereplaced)
      result = result + replacingnumber * multiply

    else
      result = result + remainder * multiply;

    multiply *= 10;
    a = a / 10;
  }
  return result;
}

public static void main(String[] args)
{
  int a = 1347232, numbertobereplaced = 2, replaci
```



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


    int mid = (left + right) / 2;

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

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

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

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

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

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

    if (index != -1) {
      System.out.println("Element found at index "
    } else {
      System.out.println("Element not found in the
    }
```