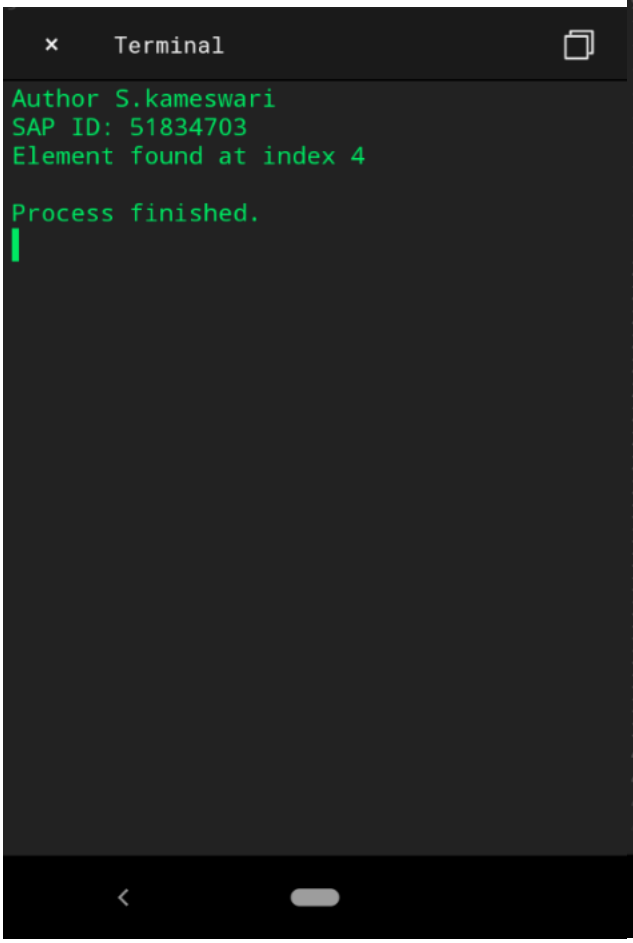
```
ava.io.*;
lass Main

ic static void main(String[] args)throws IOExcep
{
    BufferedReader br=new BufferedReader (new In
    System.out.println("Author:S.kameswari \nSAP
    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 Num
    else
        System.out.println(n+" is not a Disarium
}
```

Terminal

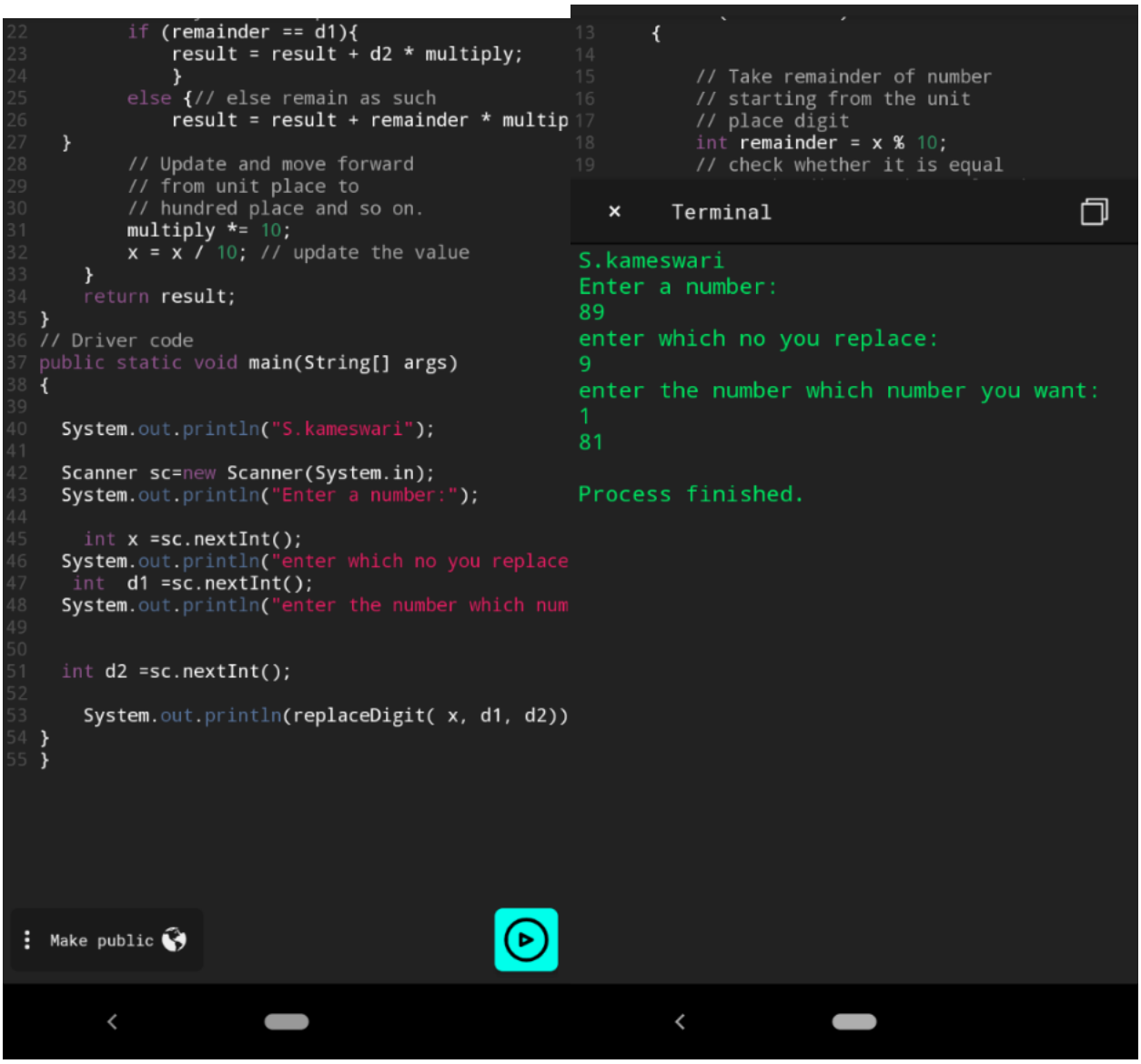
```
Author:S.kameswari
SAP ID:51834703
Enter a number : 79
79 is not a Disarium Number.

Process finished.
```

```
ublic class Main

 public static int binarySearch(int[] M, int lef
 {
   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 = 9;

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

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

   System.out.println("Author S.kameswari \nSAP
   if (index != -1) {
     System.out.println("Element found at index
   } else {
     System.out.println("Element not found in th
   }
 }
```

Project info




```java
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 * multip
  }
        // 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)
{

  System.out.println("S.kameswari");
```



```
        if (remainder == d1){
            result = result + d2 * multiply;
            }
        else {// else remain as such
            result = result + remainder * multip
  }
        // 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)
{

  System.out.println("S.kameswari");

  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 num


  int d2 =sc.nextInt();

    System.out.println(replaceDigit( x, d1, d2))
}
}
```

```
    {

        // Take remainder of number
        // starting from the unit
        // place digit
        int remainder = x % 10;
        // check whether it is equal
```

```
S.kameswari
Enter a number:
89
enter which no you replace:
9
enter the number which number you want:
1
81

Process finished.
```

Make public