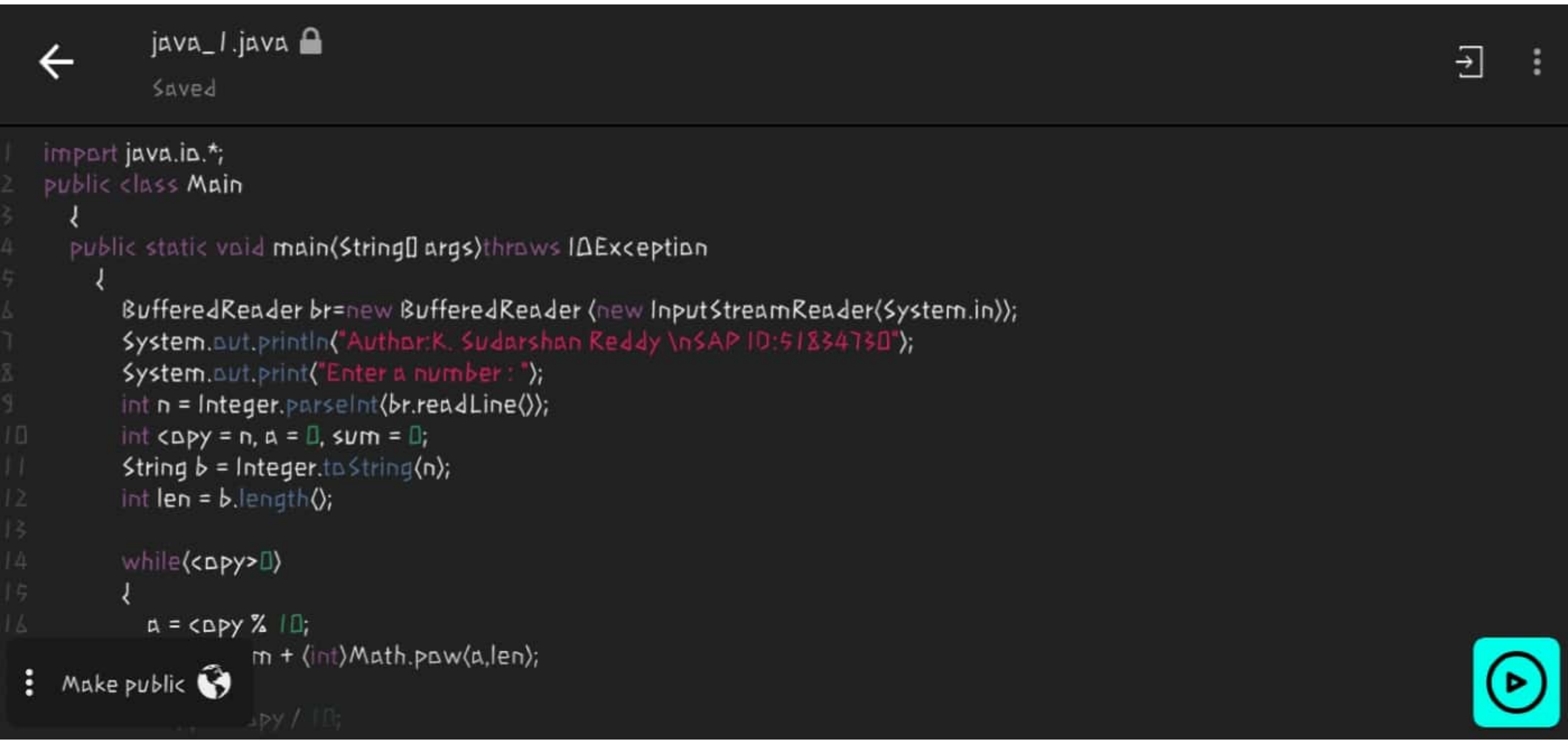
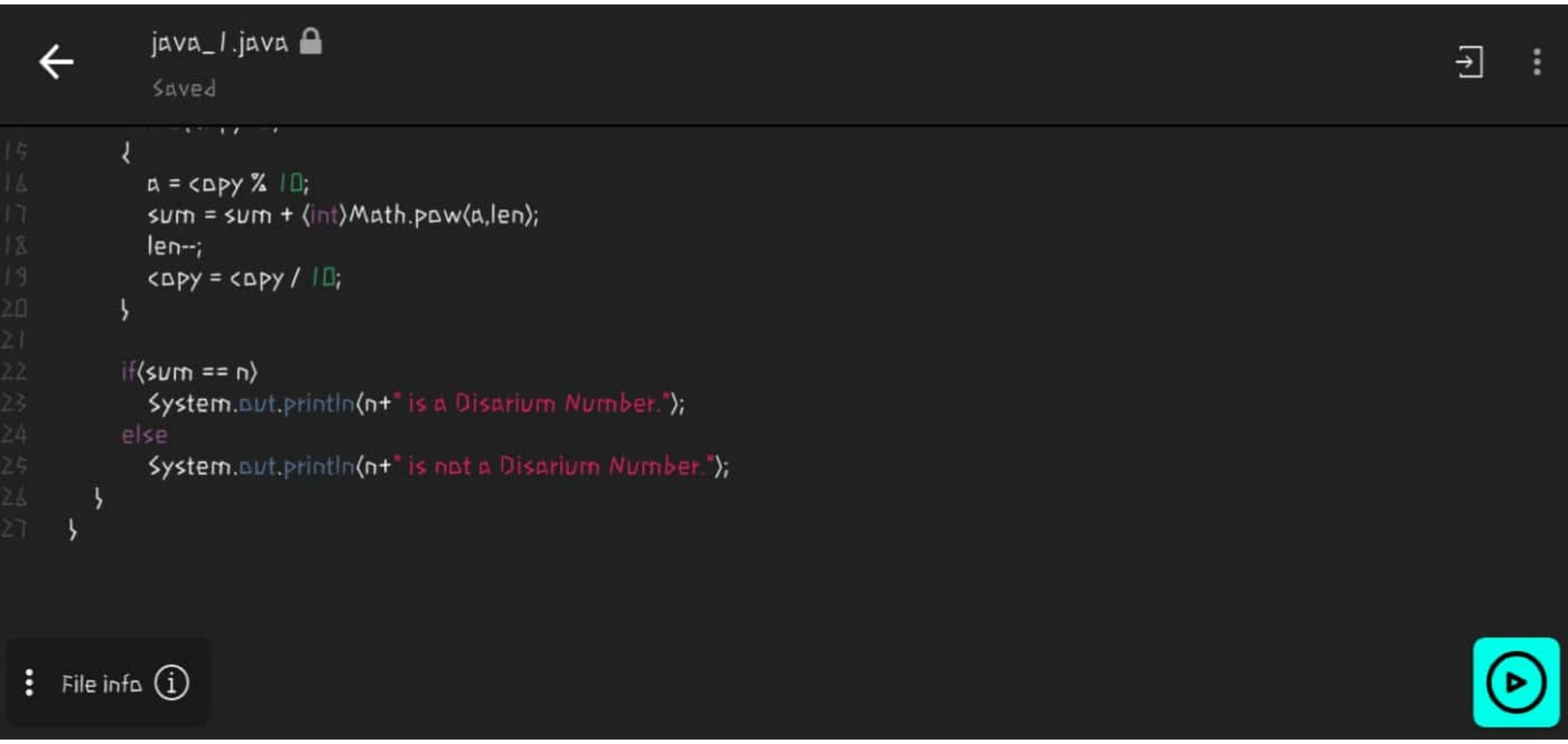
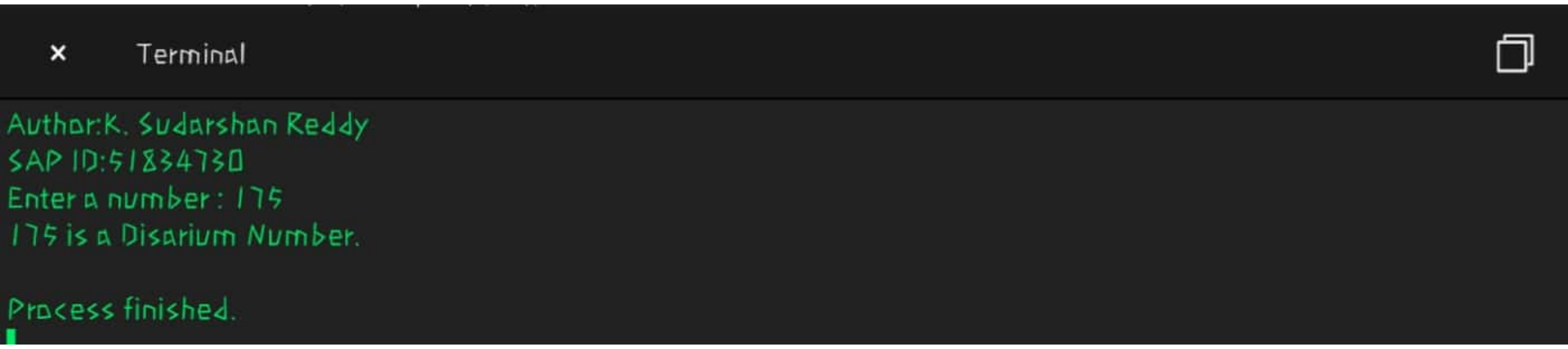


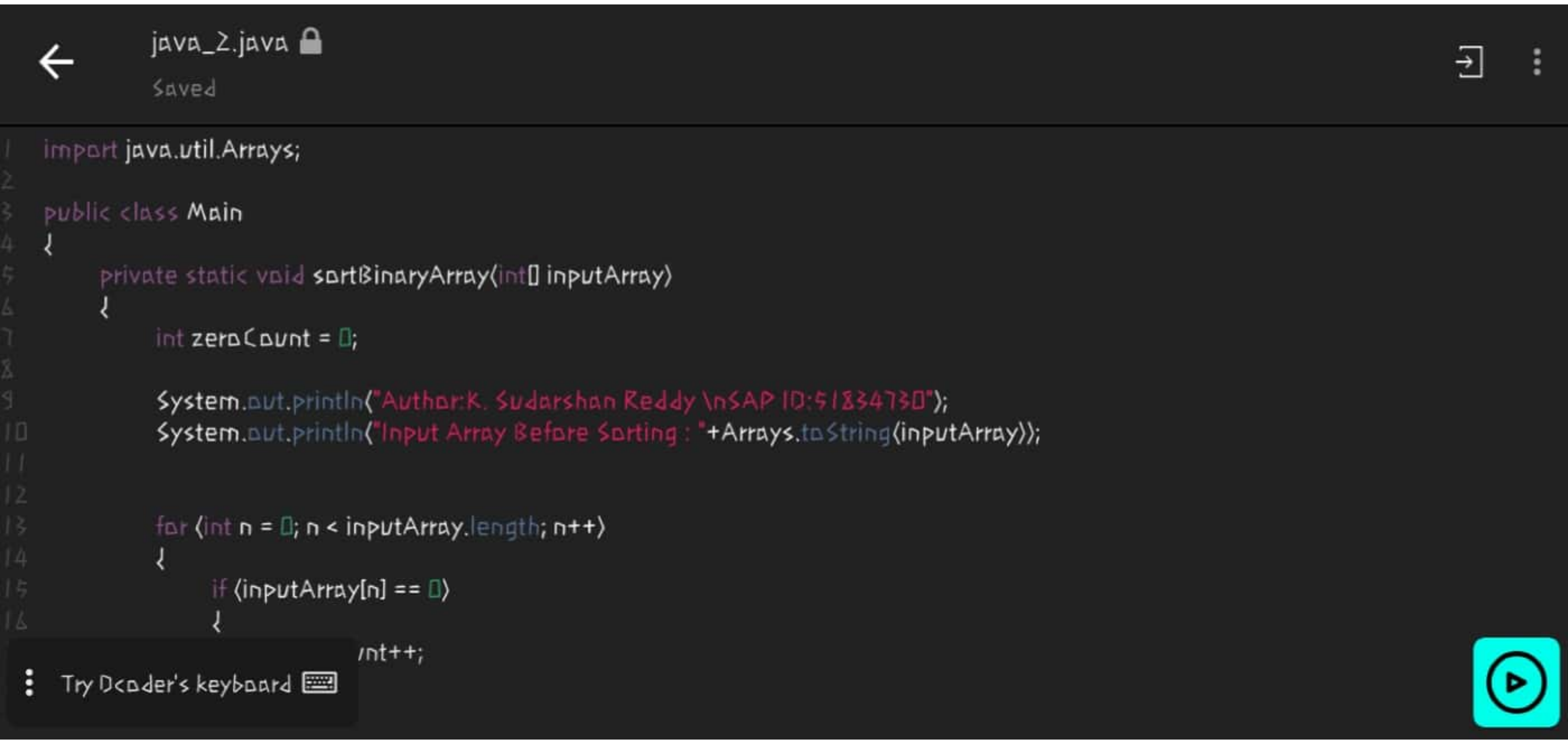
```java
import java.io.*;
public class Main
  {
  public static void main(String[] args)throws IOException
    {
      BufferedReader br=new BufferedReader (new InputStreamReader(System.in));
      System.out.println("Author:K. Sudarshan Reddy \nSAP ID:51834730");
      System.out.print("Enter a number : ");
      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;
                 m + (int)Math.pow(a,len);

                 py / 10;
```


java_1.java
Saved
File info

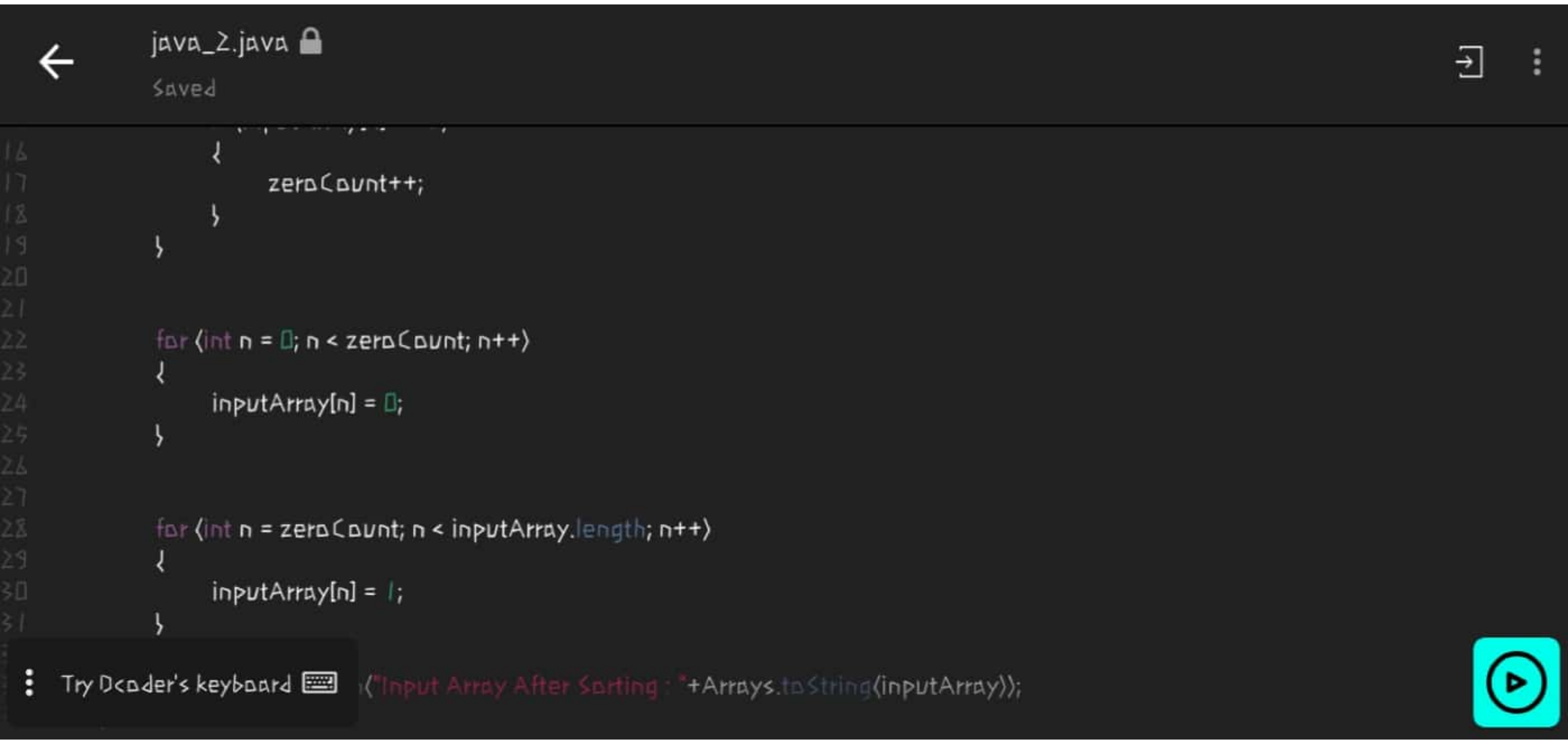
```
        {
            a = copy % 10;
            sum = sum + (int)Math.pow(a,len);
            len--;
            copy = copy / 10;
        }

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



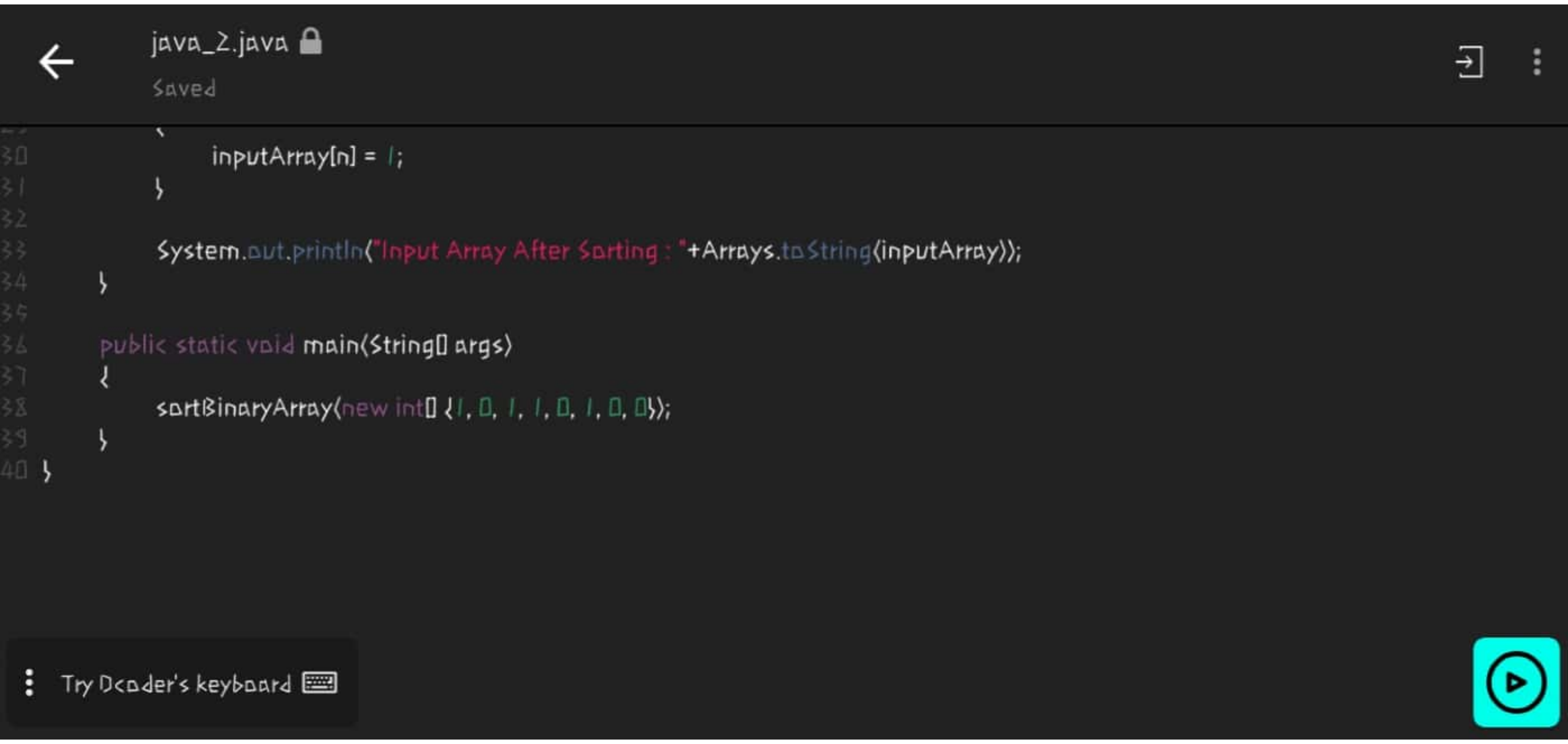
```
Author:K. Sudarshan Reddy
SAP ID:51834730
Enter a number : 175
175 is a Disarium Number.

Process finished.
```


java_2.java
Saved
Try Dcoder's keyboard

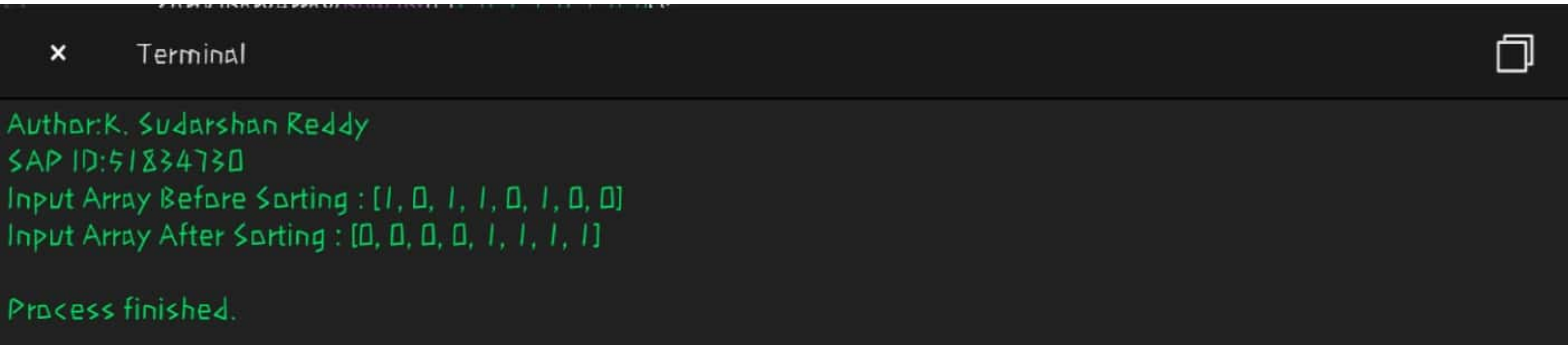
```
import java.util.Arrays;

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

                System.out.println("Author:K. Sudarshan Reddy \nSAP ID:51834730");
                System.out.println("Input Array Before Sorting : "+Arrays.toString(inputArray));


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


java_2.java
Saved
Try Dcoder's keyboard

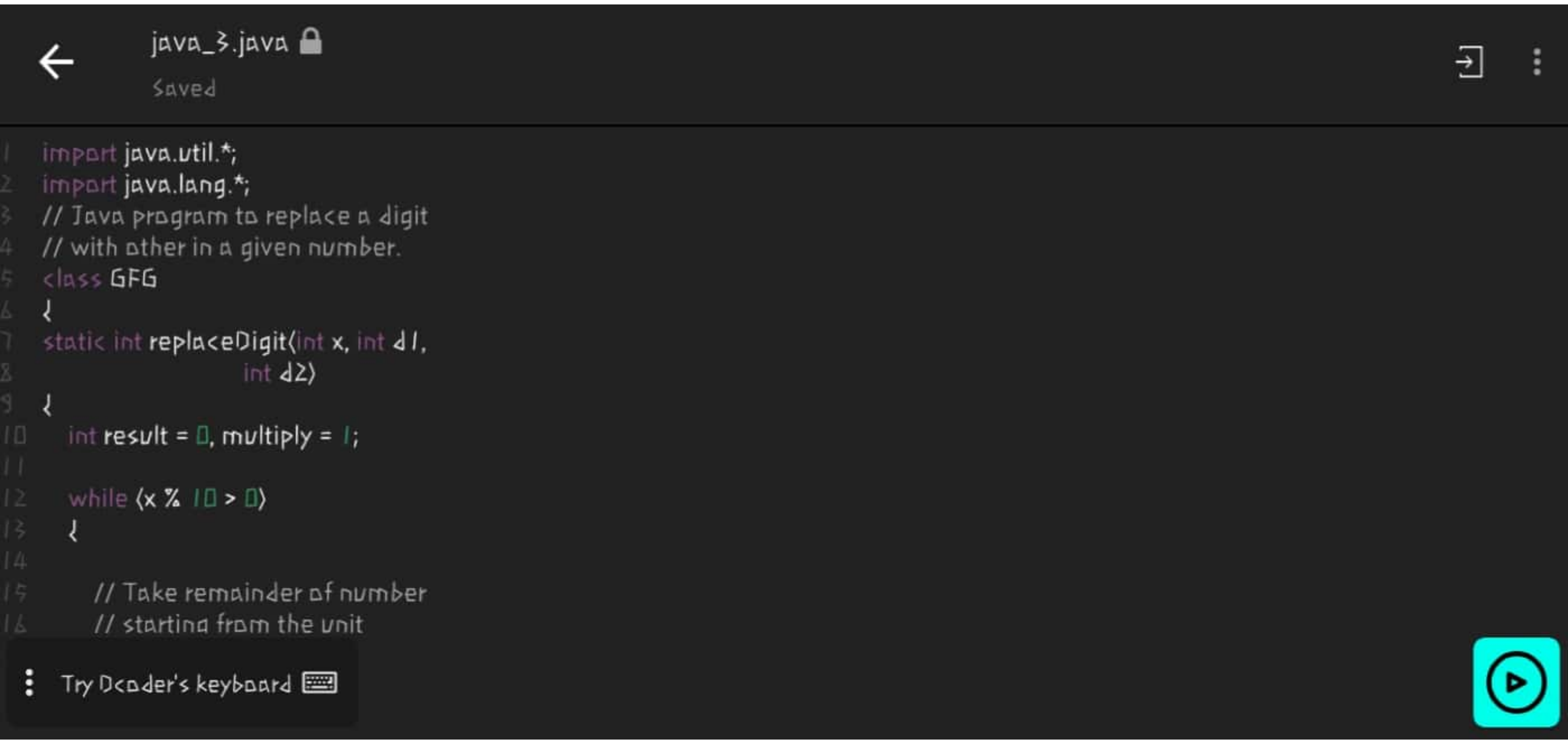
```
            {
                zeroCount++;
            }
        }


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


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

        ("Input Array After Sorting : "+Arrays.toString(inputArray));
```


java_2.java
Saved
Try Dcoder's keyboard

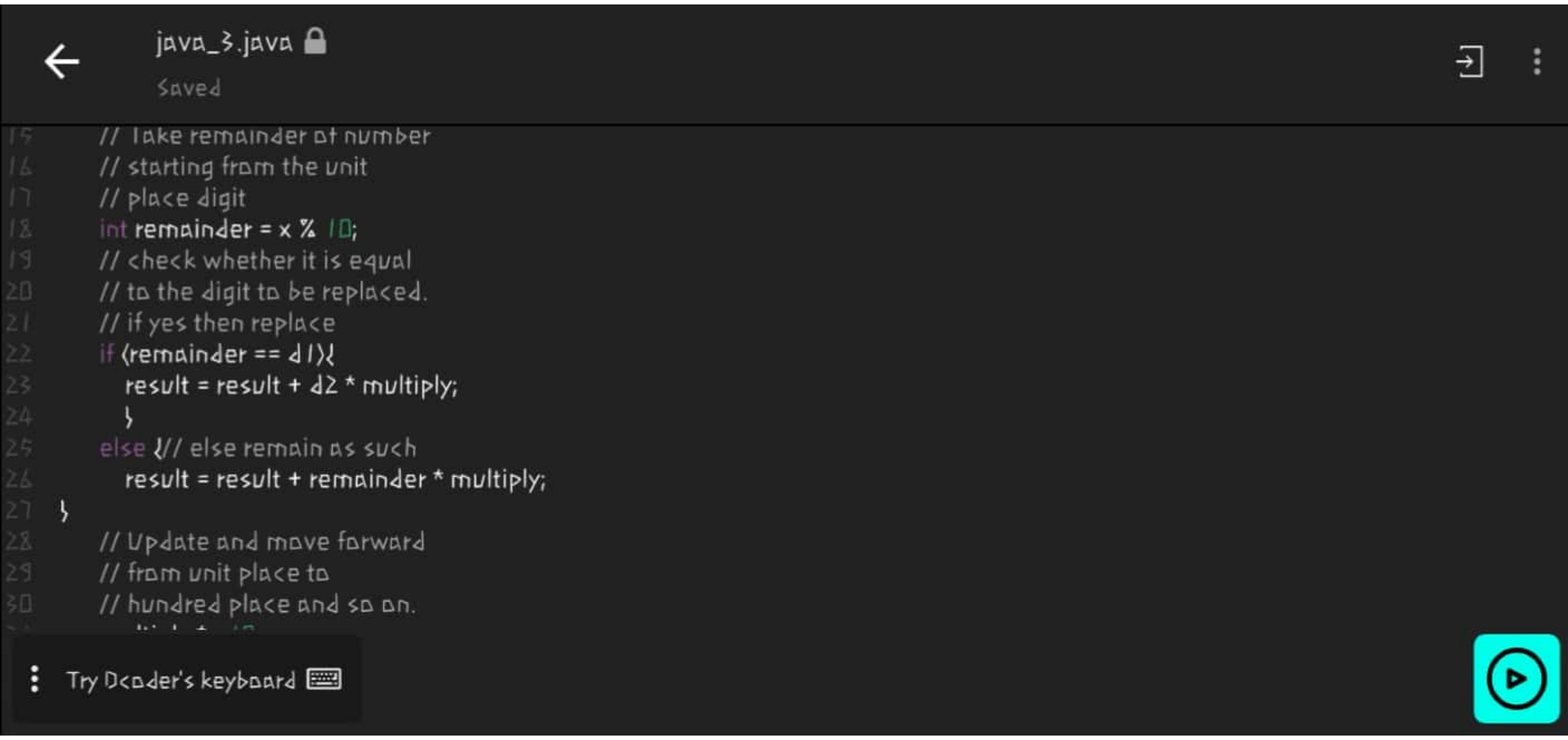
```
            inputArray[n] = 1;
        }

        System.out.println("Input Array After Sorting : "+Arrays.toString(inputArray));
    }

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



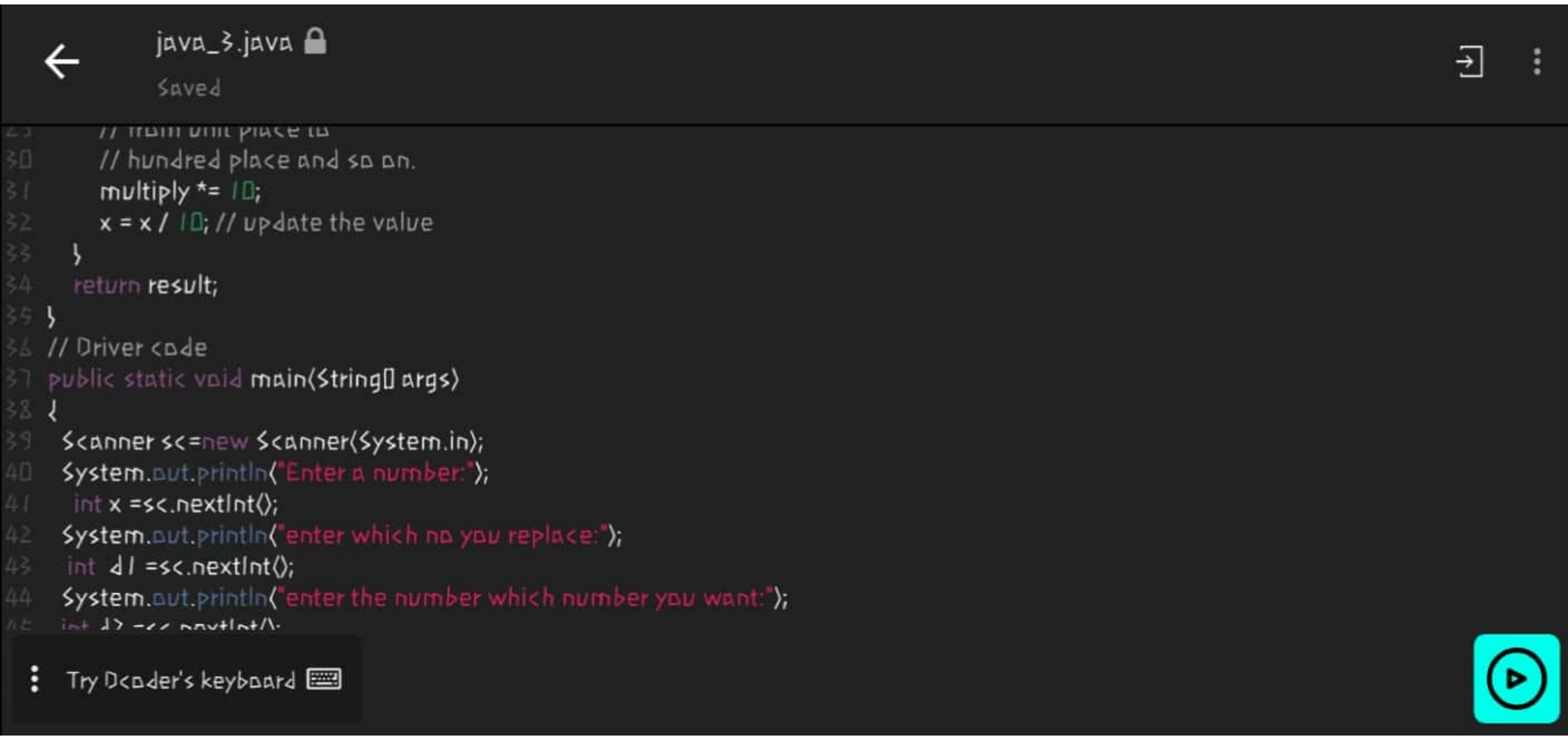
```
Author:K. Sudarshan Reddy
SAP ID:51834730
Input Array Before Sorting : [1, 0, 1, 1, 0, 1, 0, 0]
Input Array After Sorting : [0, 0, 0, 0, 1, 1, 1, 1]

Process finished.
```


java_3.java
Saved
Try Dcoder's keyboard

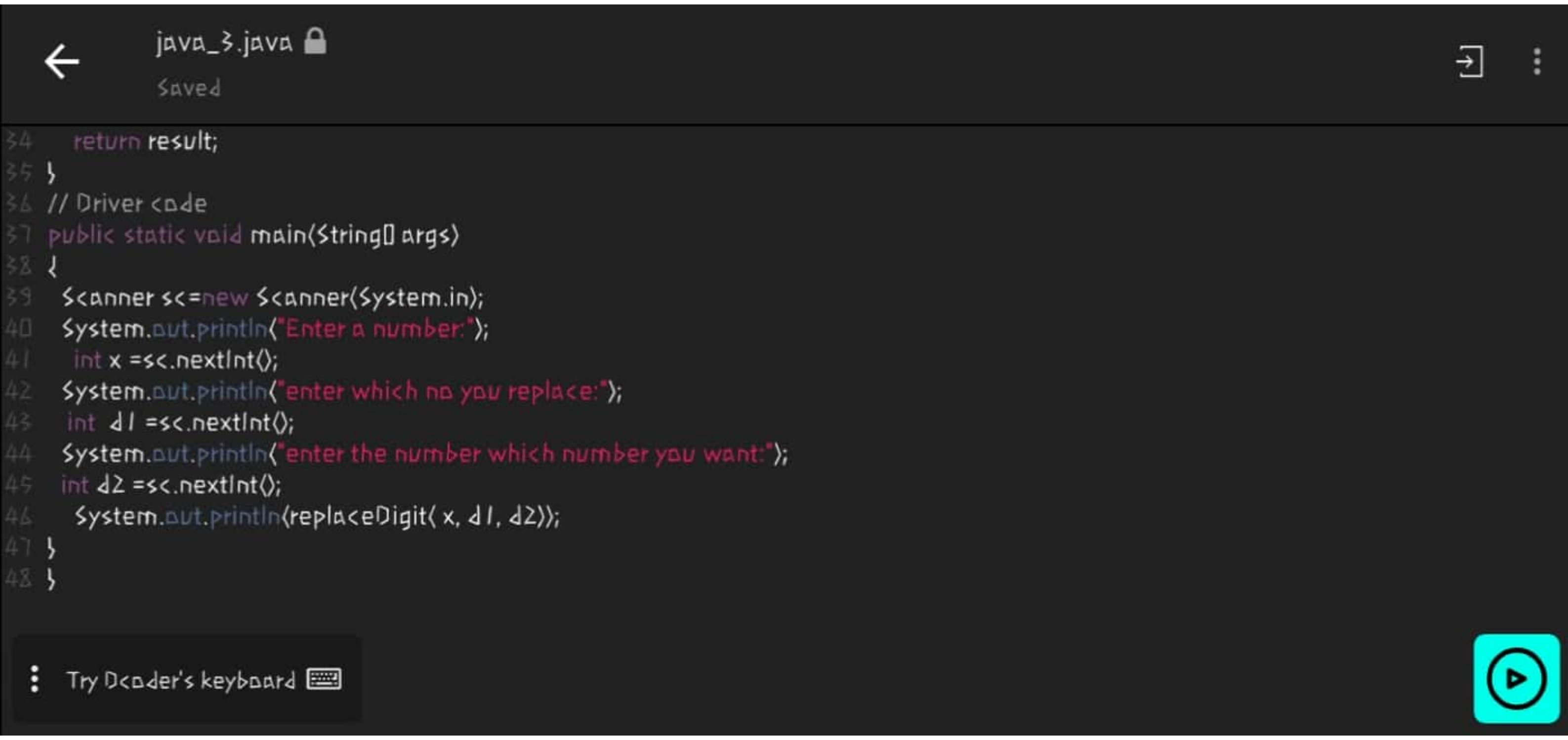
```
import java.util.*;
import java.lang.*;
// Java program to replace a digit
// with other in a given number.
class GFG
{
static int replaceDigit(int x, int d1,
                        int d2)
{
   int result = 0, multiply = 1;

   while (x % 10 > 0)
   {

      // Take remainder of number
      // starting from the unit
```


java_3.java
Saved
Try Dcoder's keyboard

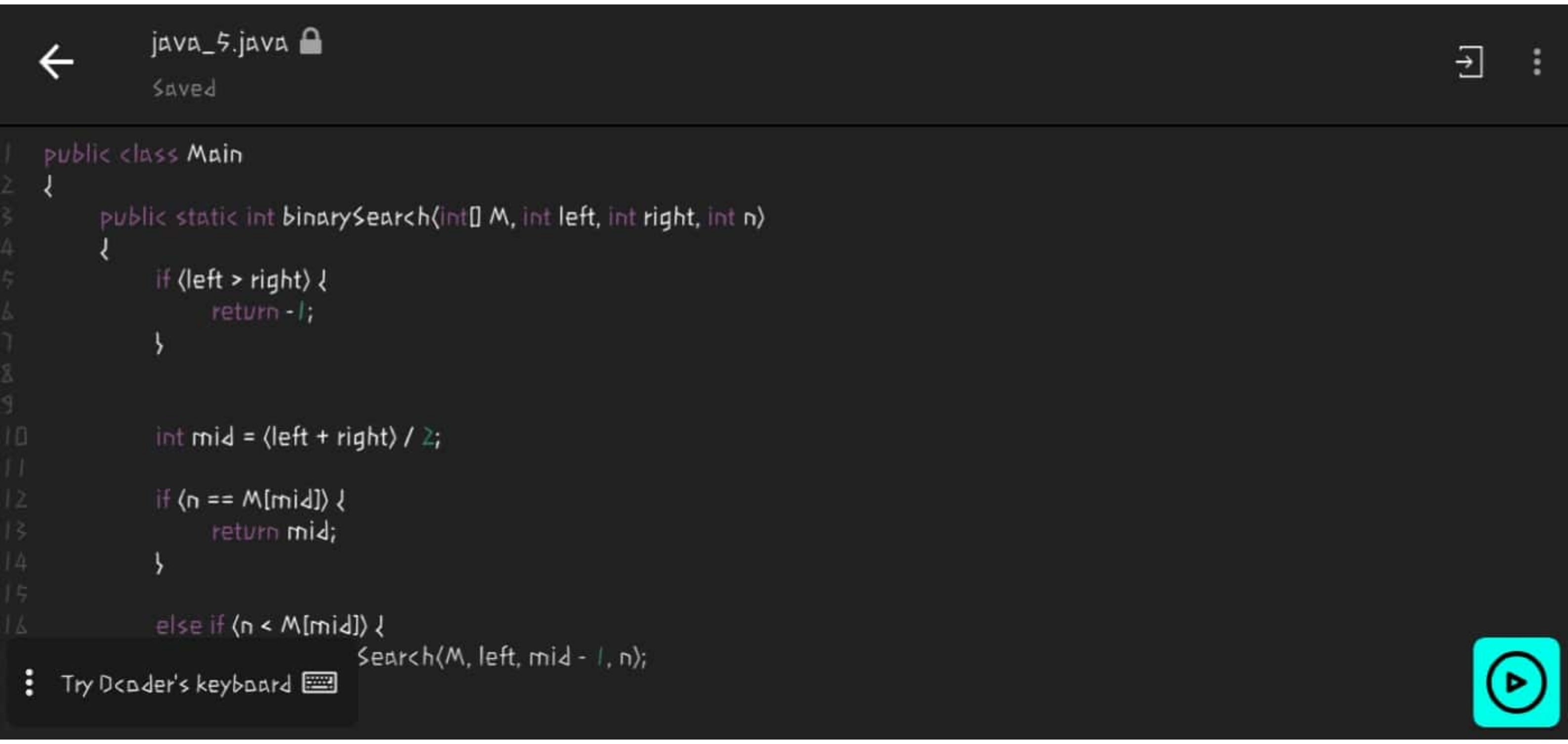
```
        // Take remainder of number
        // starting from the unit
        // place digit
        int remainder = x % 10;
        // check whether it is equal
        // to the digit to be replaced.
        // if yes then replace
        if (remainder == d1){
          result = result + d2 * multiply;
          }
        else {// else remain as such
          result = result + remainder * multiply;
    }
        // Update and move forward
        // from unit place to
        // hundred place and so on.
```



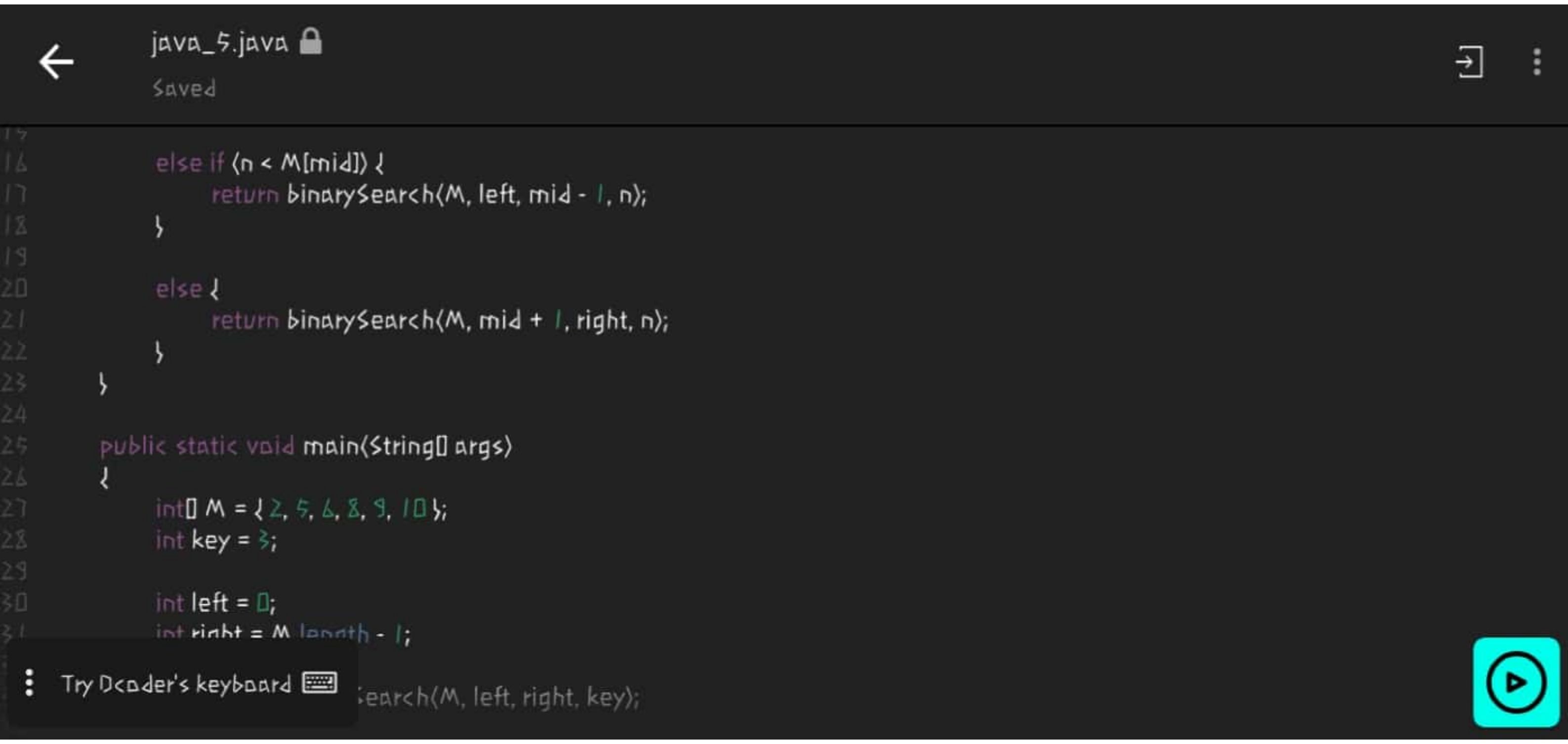
```
        // from unit place to
        // hundred place and so on.
        multiply *= 10;
        x = x / 10; // update the value
    }
    return result;
}
// Driver code
public static void main(String[] args)
{
  Scanner sc=new Scanner(System.in);
  System.out.println("Enter a number:");
   int 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();
```


java_3.java
Saved
Try Dcoder's keyboard

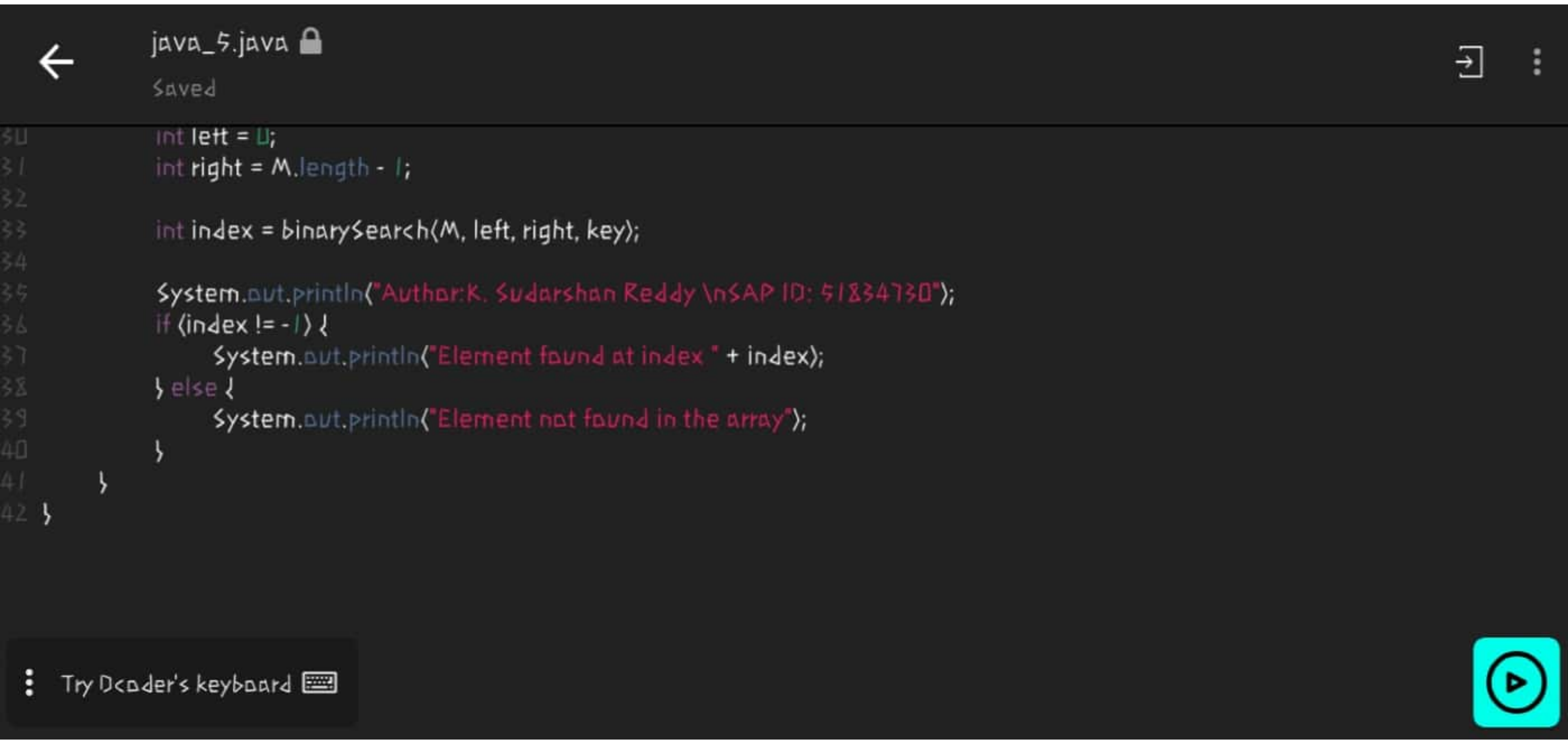
```
  return result;
}
// Driver code
public static void main(String[] args)
{
 Scanner sc=new Scanner(System.in);
 System.out.println("Enter a number:");
  int x =sc.nextInt();
 System.out.println("enter which no you replace:");
  int  d1 =sc.nextInt();
 System.out.println("enter the number which number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


java_5.java
Saved
Try Dcoder's keyboard

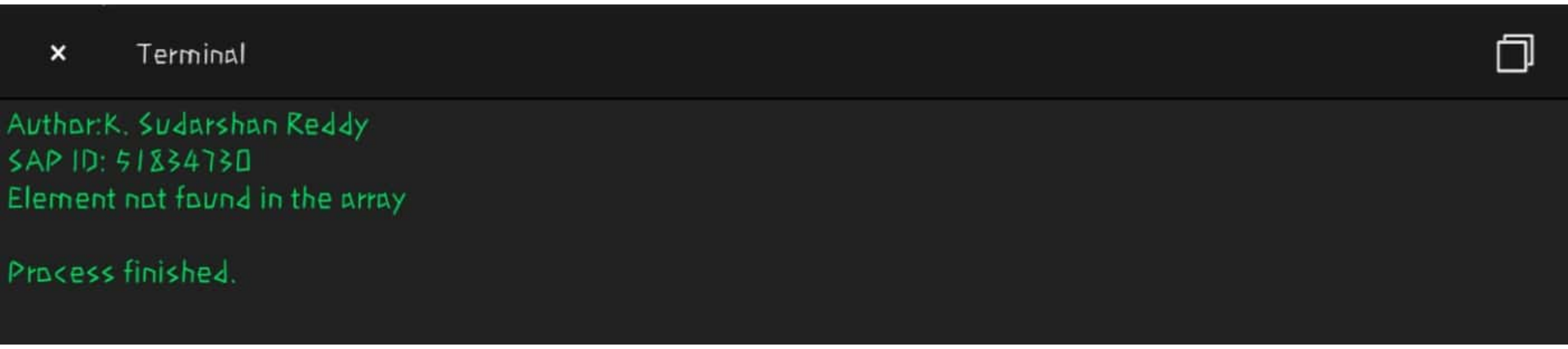
```
public class Main
{
    public static int binarySearch(int[] M, int left, int right, int n)
    {
        if (left > right) {
            return -1;
        }


        int mid = (left + right) / 2;

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

        else if (n < M[mid]) {
                          Search(M, left, mid - 1, n);
```


java_5.java
Saved
Try Dcoder's keyboard

```java
        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;

                    Search(M, left, right, key);
```


java_5.java
Saved
Try Dcoder's keyboard

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

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

        System.out.println("Author:K. Sudarshan Reddy \nSAP ID: 51834730");
        if (index != -1) {
            System.out.println("Element found at index " + index);
        } else {
            System.out.println("Element not found in the array");
        }
    }
}
```



```
Author:K. Sudarshan Reddy
SAP ID: 51834730
Element not found in the array

Process finished.
```