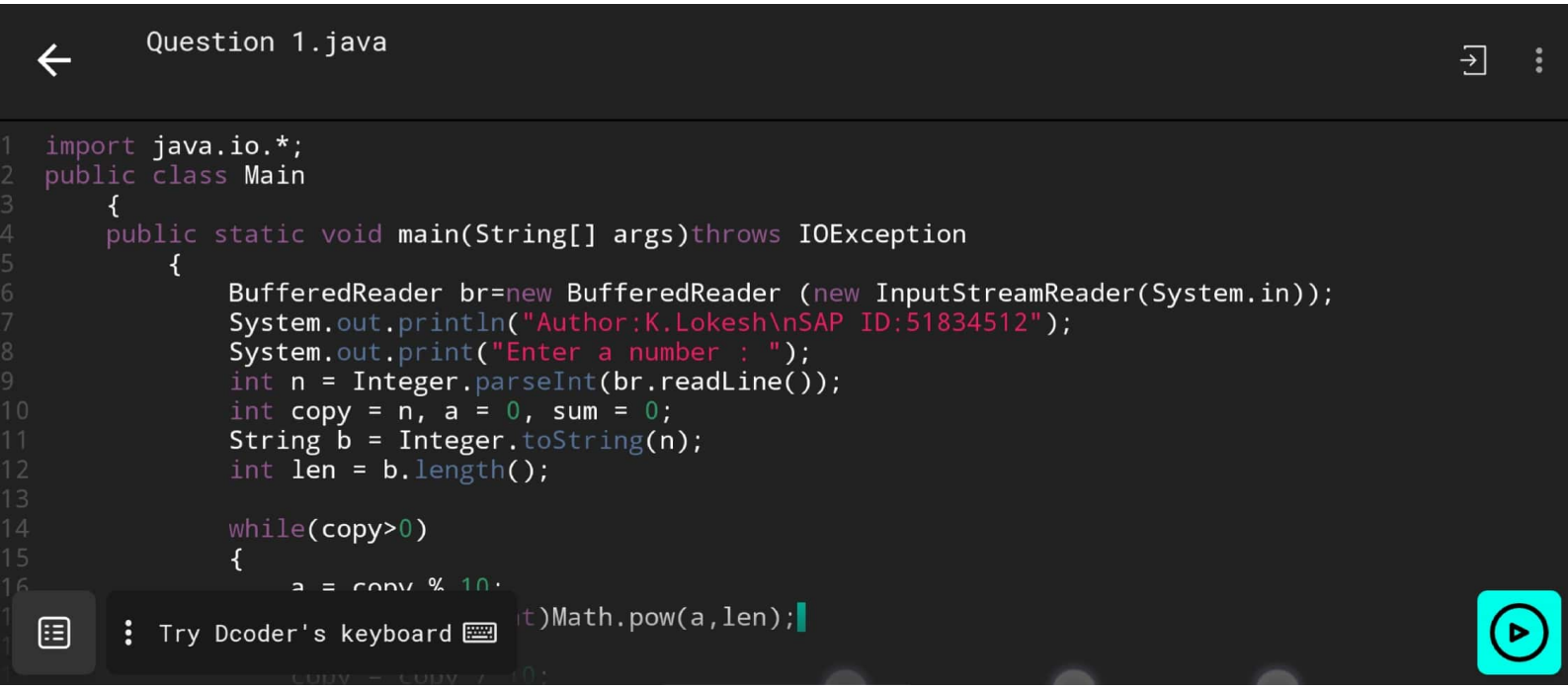
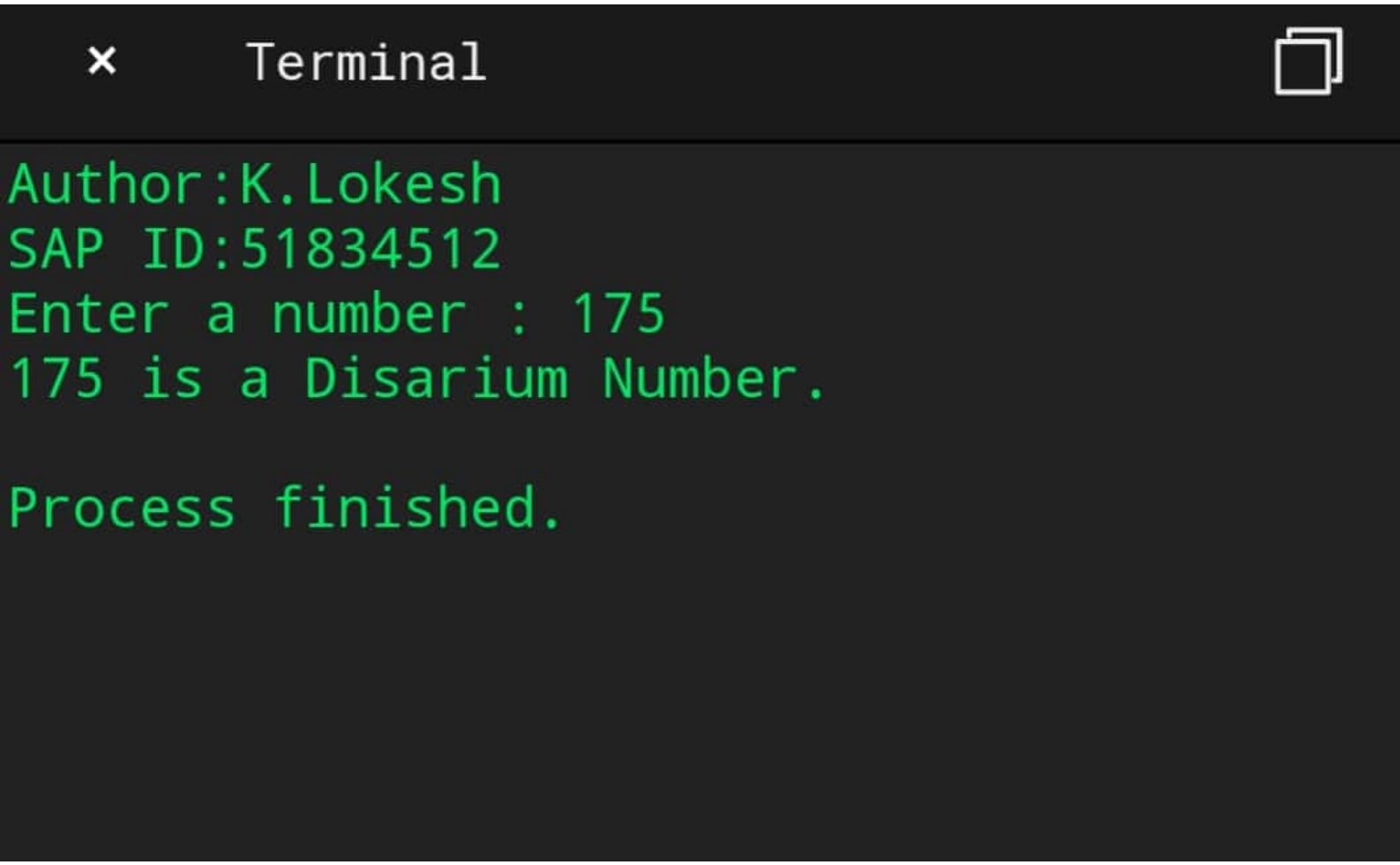


```
13
14          while(copy>0)
15          {
16              a = copy % 10;
17              sum = sum + (int)Math.pow(a,len);
18              len--;
19              copy = copy / 10;
20          }
21
22          if(sum == n)
23              System.out.println(n+" is a Disarium Number.");
24          else
25              System.out.println(n+" is not a Disarium Number.");
26      }
27  }
```

Try Dcoder's keyboard



Question 2.java

Saved

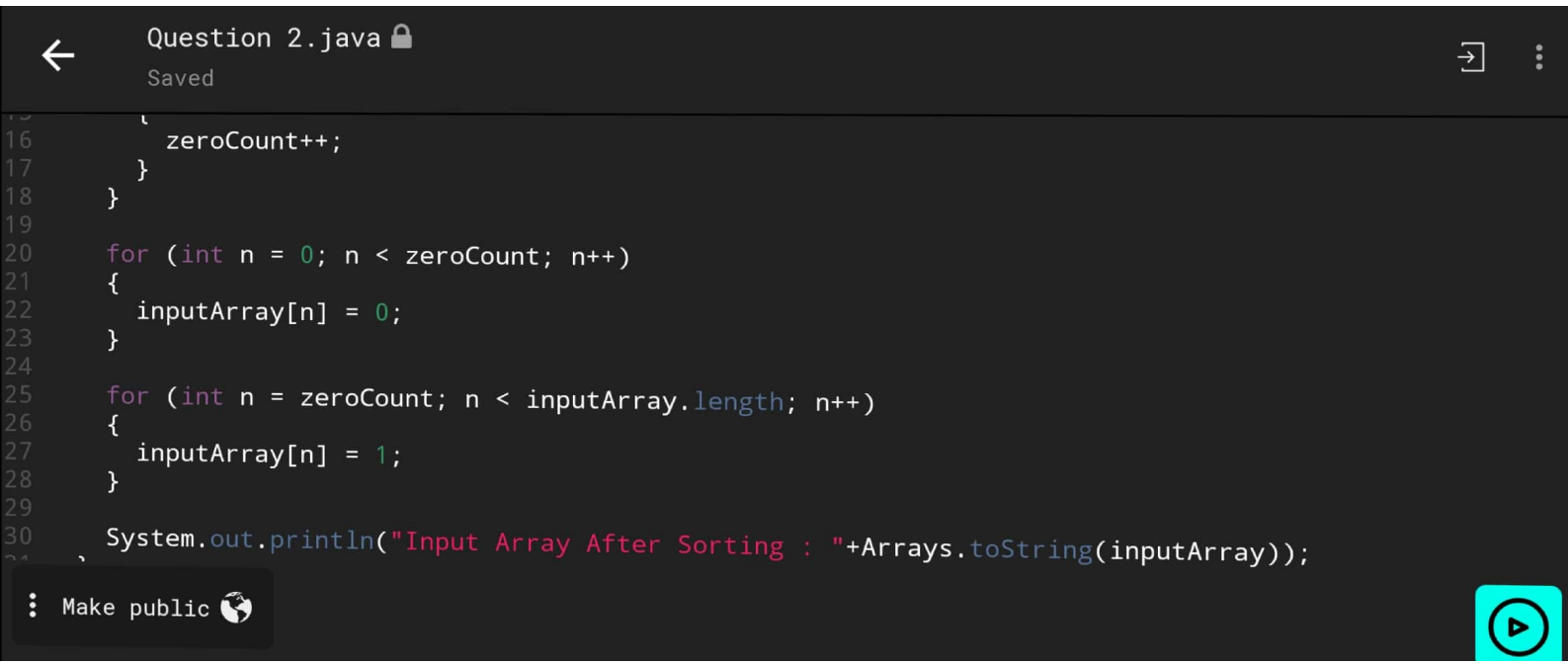
```java
import java.util.Arrays;

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

    System.out.println("Author:K.Lokesh\nSAP ID:51834512");
    System.out.println("Input Array Before Sorting : "+Arrays.toString(inputArray));

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

File info



Question 2.java

Saved

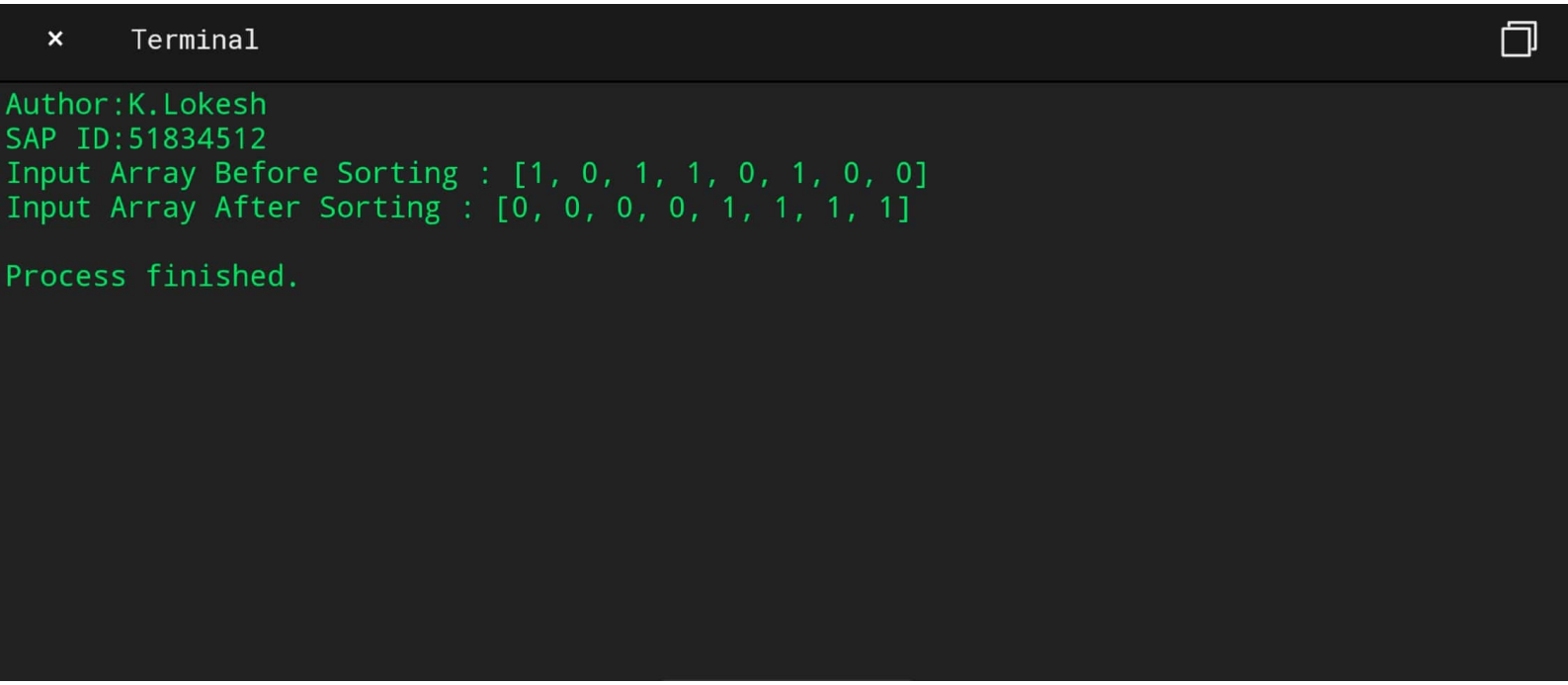
```
    }

    for (int n = zeroCount; n < inputArray.length; n++)
    {
      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});
  }
}
```

File info



Question 3.java

Saved

```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
        e digit
```

Make public

Question 3.java

Saved

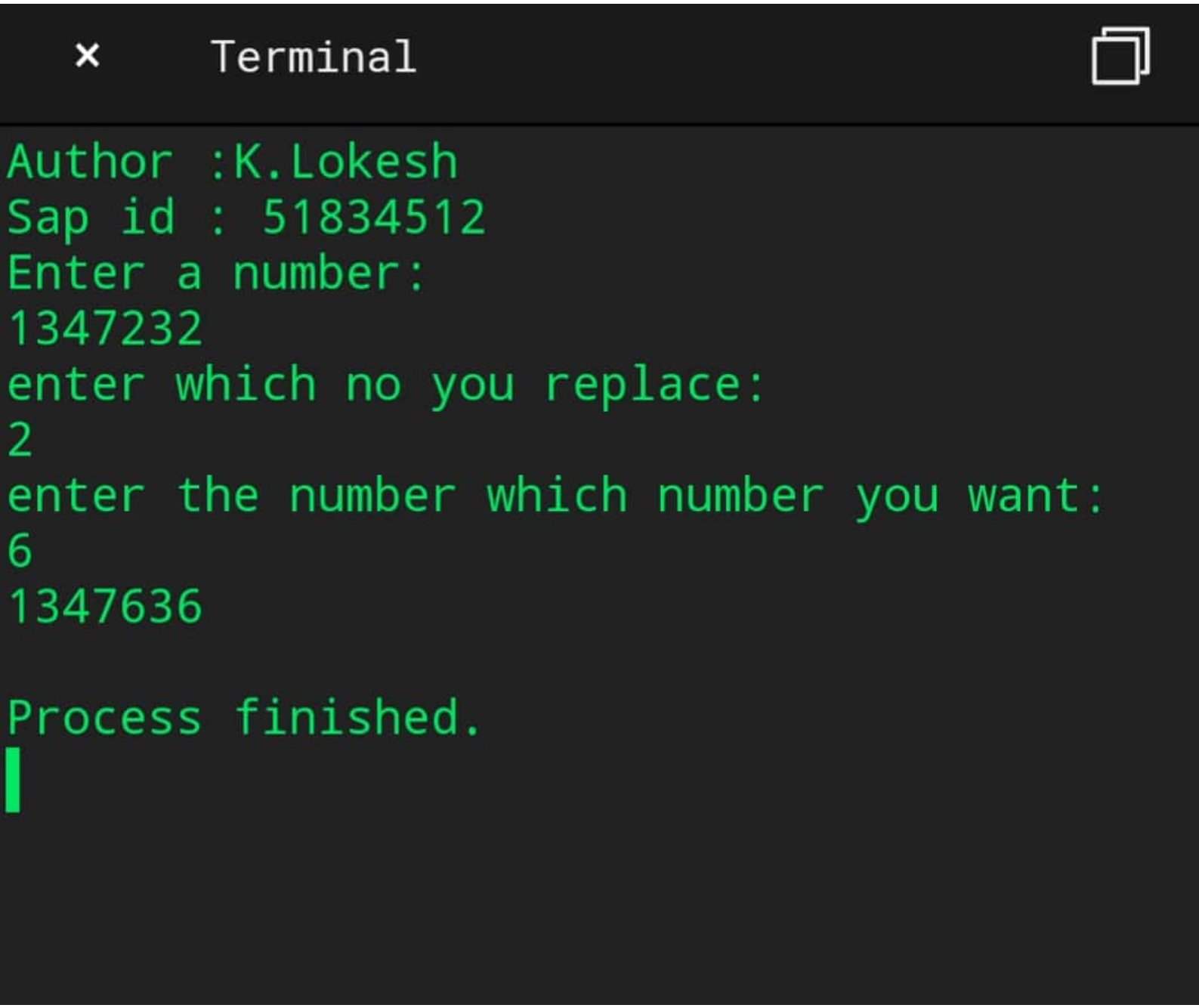
```
        // Take remainder of number
        // starting from the unit
        // place digit
        int remainder = x % 10;
        // check whether it is equal
        // to the digit to be replaced.
        // if yes then replace
        if (remainder == d1){
            result = result + d2 *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

Question 3.java

Saved

```
}
// Driver code
public static void main(String[] args)
{
  System.out.println("Author :K.Lokesh \nSap id : 51834512");
  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));
}
}
```

File info



Question 5.java

Saved

```java
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]) {
```

Question 5.java

Saved

```
15
16    else if (n < M[mid]) {
17      return binarySearch(M, left, mid - 1, n);
18    }
19
20    else {
21      return binarySearch(M, mid + 1, right, n);
22    }
23  }
24
25  public static void main(String[] args)
26  {
27    int[] M = { 2, 5, 6, 8, 9, 10 };
28    int key = 5;
29
30    int left = 0;
          = M.length - 1;
```

File info

Question 5.java

Saved

```
28      int key = 5;
29
30      int left = 0;
31      int right = M.length - 1;
32
33      int index = binarySearch(M, left, right, key);
34
35      System.out.println("Author:K.Lokesh\nSAP ID: 51834512");
36      if (index != -1) {
37        System.out.println("Element found at index " + index);
38      } else {
39        System.out.println("Element not found in the array");
40      }
41    }
42  }
```

File info