```java
1  import java.io.*;
2  public class Main
3      {
4      public static void main(String[] args)throws
5          {
6              BufferedReader br=new BufferedReader
7              System.out.println("Author:A.jyotjik
8              System.out.print("Enter a number : "
9              int n = Integer.parseInt(br.readLine
10             int copy = n, a = 0, sum = 0;
11             String b = Integer.toString(n);
12             int len = b.length();
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 Disa
24             else
25                 System.out.println(n+" is not a
26         }
27     }
```

✕   Terminal   ⧉

```
Author:A.jyotjik
SAP ID:51834611
Enter a number : 5
5 is a Disarium Number.

Process finished.
```

```java
1   import java.util.Arrays;
2
3   public class Main
4   {
5       private static void sortBinaryArray(int[] in
6       {
7           int zeroCount = 0;
8
9           System.out.println("Author:A.jyothik \nS/
10          System.out.println("Input Array Before S(
11
12
13
14          for (int n = 0; n < inputArray.length; n-
15          {
16              if (inputArray[n] == 0)
17              {
18                  zeroCount++;
19              }
20          }
21
22
23
24          for (int n = 0; n < zeroCount; n++)
25          {
26              inputArray[n] = 0;
27          }
28
29
30          for (int n = zeroCount; n < inputArray.le
31          {
32              inputArray[n] = 1;
33          }
34
35
36          System.out.println("Input Array After Sor
37      }
```

✕   Terminal   ▱

Scanned with CamScanner

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

    while (a % 10 > 0)
    {

        int remainder = a % 10;

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

        else
            result = result + remainder * multipl

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

public static void main(String[] args)
{
    int a = 645, numbertobereplaced = 6, replaci
    System.out.println("Author:A.jyothik \nSAP I
    System.out.println(replaceDigit(a, numbertob
}
}
```

✕   Terminal   🗗

Author:A.jyothik
SAP ID:51834611
545

Process finished.

```java
1   blic class Main
2
3     public static int binarySearch(int[] M, int le
4     {
5         if (left > right) {
6             return -1;
7         }
8
9
10        int mid = (left + right) / 2;
11
12        if (n == M[mid]) {
13            return mid;
14        }
15
16        else if (n < M[mid]) {
17            return binarySearch(M, left, mid - 1, r
18        }
19
20        else {
21            return binarySearch(M, mid + 1, right,
22        }
23    }
24
25    public static void main(String[] args)
26    {
27        int[] M = { 2, 5, 6, 8, 9, 10 };
28        int key = 3;
29
30        int left = 0;
31        int right = M.length - 1;
32
33        int index = binarySearch(M, left, right, k
34
35        System.out.println("Author:A.jyothik \nSAP
36        if (index != -1) {
37
```

✕   Terminal

```
Author:A.jyothik
SAP ID: 51834611
Element not found in the array

Process finished.
```