```java
1   import java.io.*;
2   public class Main{
3       private int num;
4       private int size;
5       public Main(int x){
6           num = x;
7           size = 0;
8       }
9       void countDigit(){
10          for(int m = num; m != 0; m /= 10
11              size++;
12      }
13      public int sumOfDigits(int x, int p)
14          if(x < 10)
15              return (int)Math.pow(x, p);
16          else{
17              int t = (int)Math.pow(x % 10
18              return t + sumOfDigits(x / 1
19          }
20      }
21      public void check(){
22          if(num == sumOfDigits(num, size)
23              System.out.println(num + " i
24          else
25              System.out.println(num + " i
26      }
27      public static void main(String args[
28      throws IOException{
29          InputStreamReader in = new Input
30          BufferedReader br = new Buffered
31          System.out.println("Author:A.ven
32          System.out.print("Number: ");
```

× Terminal ▢

Author:A.venkatsai
SAP ID: 51834542
Number: 099
99 is not a Disarium Number.

Process finished

```java
{
    public static int binarySearch(int[]
    {
        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,
        }

        else {
            return binarySearch(M, mid +
        }
    }

    public static void main(String[] arg
    {
        int[] M = { 2, 5, 6, 8, 9, 10 };
        int key = 3;

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

        int index = binarySearch(M, left,
```

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Author:Asa venkatsai
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Element not found in the array

Process finished.

```java
public class Main
{
static int replaceDigit(int a, int numbe
                          int replacingn
{
    int result = 0, multiply = 1;

    while (a % 10 > 0)
    {

        int remainder = a % 10;

        if (remainder == numbertoreplac
            result = result + replacingnu

        else
            result = result + remainder *

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

public static void main(String[] args)
{
    int a = 645, numbertobereplaced = 6,
    System.out.println("Author:Asa venka
    System.out.println(replaceDigit(a, n
}
}
```

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