```java
1
2
3
4   id main(String[] args)throws IOException
5
6   Reader br=new BufferedReader (new InputStreamRea
7   ut.println("Author:M.Sai Teja \nSAP ID:51834846"
8   ut.print("Enter a number : ");
9   Integer.parseInt(br.readLine());
10   = n, a = 0, sum = 0;
11   = Integer.toString(n);
12  = b.length();
13
14  py>0)
15
16  copy % 10;
17  = sum + (int)Math.pow(a,len);
18  -;
19   = copy / 10;
20
21
22  = n)
23  em.out.println(n+" is a Disarium Number.");
24
25  em.out.println(n+" is not a Disarium Number.");
26
27
```

Terminal ✕

```
Author:M.Sai Teja
SAP ID:51834846
Enter a number : 11
11 is not a Disarium Number.

Process finished.
```

```java
1  : java.util.Arrays;
2
3  : class Main
4
5  ivate static void sortBinaryArray(int[] inputArr
6
7    int zeroCount = 0;
8
9    System.out.println("Author: M.Sai Teja \nSAP ID
10   System.out.println("Input Array Before Sorting
11
12
13   for (int n = 0; n < inputArray.length; n++)
14   {
15       if (inputArray[n] == 0)
16       {
17           zeroCount++;
18       }
19   }
20
21
22   for (int n = 0; n < zeroCount; n++)
23   {
24       inputArray[n] = 0;
25   }
26
27
28   for (int n = zeroCount; n < inputArray.length;
29   {
30       inputArray[n] = 1;
31   }
32
33   System.out.println("Input Array After Sorting :
34
35
```

```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 * mu

        else
            result = result + remainder * multiply

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

public static void main(String[] args)
{
    int a = 645, numbertobereplaced = 6, replacir
    System.out.println("Author:M.Sai Teja\nSAP ID
    System.out.println(replaceDigit(a, numbertobe
}
}
```

× Terminal

```
Author:M.Sai Teja
SAP ID:51834746
545

Process finished.
```

```
 Main

atic int binarySearch(int[] M, int left, int righ

ft > right) {
urn -1;



d = (left + right) / 2;

== M[mid]) {
urn mid;


f (n < M[mid]) {
urn binarySearch(M, left, mid - 1, n);


urn binarySearch(M, mid + 1, right, n);



atic void main(String[] args)

M = { 2, 5, 6, 8, 9, 10 };
y = 3;

ft = 0;
ght = M.length - 1;

dex = binarySearch(M, left, right, key);

.out.println("Author:M.Sai teja\nSAP ID: 5183474
dex != -1) {
tem.out.println("Element found at index " + inde
 {
tem.out.println("Element not found in the array"

O-O
```

```
Author:M.Sai teja
SAP ID: 51834746
Element not found in the array

Process finished.
```