

```

1 import java.util.Scanner;
2
3 public class JavaDisariumNumberProgram
4 {
5     private static boolean isItDisariumNumber(int inputNumber)
6     {
7         int noOfDigits = Integer.toString(inputNumber).length();
8
9         int copyOfInputNumber = inputNumber;
10
11        int sum = 0;
12
13        while (inputNumber > 0)
14        {
15            int lastDigit = inputNumber % 10;
16
17            sum = sum + (int) Math.pow(lastDigit, noOfDigits);
18
19            inputNumber = inputNumber / 10;
20
21            noOfDigits--;
22        }
23
24        if (sum == copyOfInputNumber)
25        {
26            return true;
27        }
28        else
29        {
30            return false;
31        }
32    }
33
34    public static void main(String[] args)
35    {
36        Scanner sc = new Scanner(System.in);
37        System.out.println("K.Durga sri sravya SAPID:");
38        System.out.println("Enter a number :");
39
40        int Number = sc.nextInt();
41
42        boolean isDisariumNumber = isItDisariumNumber(Number);
43    }
44 }

```



```

20
21     noOfDigits--;
22 }
23
24 if (sum == copyOfInputNumber)
25 {
26     return true;
27 }
28 else
29 {
30     return false;
31 }
32 }
33
34 public static void main(String[] args)
35 {
36     Scanner sc = new Scanner(System.in);
37     System.out.println("K.Durga sri sravya SAPID:51836473");
38     System.out.println("Enter a number :");
39
40     int inputNumber = sc.nextInt();
41
42     if (isItDisariumNumber(inputNumber))
43     {
44         System.out.println(inputNumber+" is a Disarium number");
45     }
46     else
47     {
48         System.out.println(inputNumber+" is not a Disarium number");
49     }
50
51     sc.close();
52 }

```

× Terminal



```

K.Durga sri sravya SAPID:51836473
Enter a number :
135
135 is a Disarium number

Process finished.

```

```

1 import java.util.Scanner;
2
3 public class JavaDisariumNumberProgram
4 {
5     private static boolean isItDisariumNumber(int
6     {
7         int noOfDigits = Integer.toString(inputNu
8
9         int copyOfInputNumber = inputNumber;
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11        int sum = 0;
12
13        while (inputNumber > 0)
14        {
15            int lastDigit = inputNumber % 10;
16
17            sum = sum + (int) Math.pow(lastDigit,
18
19            inputNumber = inputNumber / 10;
20
21            noOfDigits--;
22        }
23
24        if (sum == copyOfInputNumber)
25        {
26            return true;
27        }
28        else
29        {
30            return false;
31        }
32    }
33
34    public static void main(String[] args)
35    {
36        Scanner sc = new Scanner(System.in);
37        System.out.println("K.Durga Sri sravya S
38        System.out.println("How many Disarium num
39

```



```

29     {
30         return false;
31     }
32 }
33
34 public static void main(String[] args)
35 {
36     Scanner sc = new Scanner(System.in);
37     System.out.println("K.Durga Sri sravya S");
38     System.out.println("How many Disarium num
39
40     int n = sc.nextInt();
41
42     int counter = 1;
43
44     int inputNumber = 10;
45
46     System.out.println("First "+n+" Disarium
47
48     while (counter <= n)
49     {
50         if (isItDisariumNumber(inputNumber))
51         {
52             System.out.println(inputNumber);
53
54             inputNumber++;
55
56             counter++;
57         }
58         else
59         {
60             inputNumber++;
61         }
62     }
63
64     sc.close();
65 }
66 }

```







```
K.Durga Sri sravya SAPID:51836473
How many Disarium numbers you want?
6
First 6 Disarium Numbers :
89
135
175
518
598
1306
```

```
Process finished.
```



```
1 import java.util.Arrays;
2
3 public class Main
4 {
5     private static void sortBinaryArray(int[] inputArray)
6     {
7         int zeroCount = 0;
8
9         System.out.println("K.Durga sri Sravya SAP");
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; n++)
29        {
30            inputArray[n] = 1;
31        }
32
33        System.out.println("Input Array After Sorting");
34    }
35
36    public static void main(String[] args)
37    {
38        sortBinaryArray(new int[] {1, 0, 1, 1, 0, 1});
39    }
40}
```





K.Durga sri Sravya SAPID:51836473

Input Array Before Sorting : [1, 0, 1, 1, 0,

Input Array After Sorting : [0, 0, 0, 0, 1, 1

Process finished.

```

1 public class Main
2 {
3     static int replaceDigit(int a, int numbertoberep
4                             int replacingnumber)
5     {
6         int result = 0, multiply = 1;
7
8         while (a % 10 > 0)
9         {
10
11             int remainder = a % 10;
12
13             if (remainder == numbertobereplaced)
14                 result = result + replacingnumber * mul
15
16             else
17                 result = result + remainder * multiply;
18
19             multiply *= 10;
20             a = a / 10;
21         }
22         return result;
23     }
24
25     public static void main(String[] args)
26     {
27         int a = 16396, numbertobereplaced = 6, replaci
28         System.out.println("K.Durga Sri Sravya SAPID:5
29         System.out.println(replaceDigit(a, numbertober
30     }
31 }

```

× Terminal



K.Durga Sri Sravya SAPID:51836473  
15395

Process finished.





binary.java



Saved

```
1 class BinarySearch {
2     int binarySearch(int arr[], int l, int r, int x)
3     {
4         if (r >= l) {
5             int mid = l + (r - l) / 2;
6             // If the element is present at the middle
7             if (arr[mid] == x)
8                 return mid;
9             // If element is smaller than mid, then it
10            if (arr[mid] > x)
11                return binarySearch(arr, l, mid - 1, x);
12            return binarySearch(arr, mid + 1, r, x);
13        }
14        // We reach here when element is not present
15        return -1;
16    }
17    // Driver method to test above
18    public static void main(String args[])
19    {
20        System.out.println("k.Durga_sri_sravya SAPID:51836473");
21        BinarySearch ob = new BinarySearch();
22        int arr[] = { 2, 3, 4, 10, 40 };
23        int n = arr.length;
24        int x = 10;
25        int result = ob.binarySearch(arr, 0, n - 1, x);
26        if (result == -1)
27            System.out.println("Element not present");
28        else
29            System.out.println("Element found at index " + result);
30    }
31 }
32
```



x

Terminal



```
k.Durga_sri_sravya SAPID:51836473
Element found at index 3
```

```
Process finished.
```