```
import java.util.Scanner;
  public class JavaDisariumNumberProgram
  {
    private static boolean isItDisariumNumber(int i
    {
      int noOfDigits = Integer.toString(inputNumber
          copyOfInputNumber = inputNumber;
      int sum = 0;
12
      while (inputNumber > 0)
      {
        int lastDigit = inputNumber % 10;
        sum = sum + (int) Math.pow(lastDigit, noOf[
        inputNumber = inputNumber / 10;
        noOfDigits--;
      }
         (sum == copyOfInputNumber)
      {
        return true;
      else
      {
        return false;
    }
    public static void main(String[] args)
      Scanner sc = new Scanner(System.in);
      System.out.println("K.Durga sri sravya SAPID:
      System.out.println("Enter a number :");
               Number = sc.nextInt();
   File info(i)
 :
                isariumNumber(inputNumber))
```

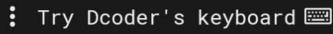
```
noOfDigits--;
    if (sum == copyOfInputNumber)
    {
      return true;
    else
    {
      return false;
  }
34 public static void main(String[] args)
  {
    Scanner sc = new Scanner(System.in);
36
    System.out.println("K.Durga sri sravya SAPID:5"
    System.out.println("Enter a number :");
    int inputNumber = sc.nextInt();
    if (isItDisariumNumber(inputNumber))
    {
      System.out.println(inputNumber+" is a Disario
    else
    {
      System.out.println(inputNumber+" is not a Dis
    sc.close();
52 }
       Terminal
  ×
K.Durga sri sravya SAPID:51836473
Enter a number
135
135 is a Disarium number
Process finished
```

```
import java.util.Scanner;
public class JavaDisariumNumberProgram
    private static boolean isItDisariumNumber(int
        int noOfDigits = Integer.toString(inputNu
        int copyOfInputNumber = inputNumber;
        int sum = 0;
        while (inputNumber > 0)
        {
            int lastDigit = inputNumber % 10;
            sum = sum + (int) Math.pow(lastDigit,
            inputNumber = inputNumber / 10;
            noOfDigits--;
        }
           (sum == copyOfInputNumber)
        {
            return true;
        else
        {
            return false:
        }
    }
    public static void main(String[] args)
        Scanner sc = new Scanner(System.in);
         System.out.println("K.Durga Sri sravya S
        System.out.println("How many Disarium num
```





```
{
               return false;
      }
      public static void main(String[] args)
      {
           Scanner sc = new Scanner(System.in);
            System.out.println("K.Durga Sri sravya S
           System.out.println("How many Disarium num
           int n = sc.nextInt();
           int counter = 1;
           int inputNumber = 10;
           System.out.println("First "+n+" Disarium
          while (counter <= n)</pre>
           {
                  (isItDisariumNumber(inputNumber))
               {
                   System.out.println(inputNumber);
                   inputNumber++;
                   counter++;
               }
               else
               {
                   inputNumber++;
           sc.close();
      }
66}
```





```
× Terminal
```

Process finished.

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

```
sorting.java 🖴
      Saved
import java.util.Arrays;
public class Main
{
   private static void sortBinaryArray(int[] inpl
      int zeroCount = 0;
      System.out.println("K.Durga <u>sri</u> Sravya SAP]
      System.out.println("Input Array Before Sort
      for (int n = 0; n < inputArray.length; n++)</pre>
      {
             (inputArray[n] == 0)
             zeroCount++;
      }
      for (int n = 0; n < zeroCount;</pre>
      {
         inputArray[n] = 0;
      for (int n = zeroCount; n < inputArray.leng
      {
         inputArray[n] = 1;
      System.out.println("Input Array After Sorti
   public static void main(String[] args)
      sortBinaryArray(new int[] {1, 0, 1, 1, 0, 1
 Try Dcoder's keyboard 📟
```

× Terminal

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.

```
public class Main
  static int replaceDigit(int a, int numbertoberep
                         int replacingnumber)
  {
     int result = 0, multiply = 1;
     while (a \% 10 > 0)
     {
        int remainder = a % 10;
         if (remainder == numbertobereplaced)
            result = result + replacing number * mul
        else
            result = result + remainder * multiply;
        multiply *= 10;
         a = a / 10;
     return result;
23 }
25 public static void main(String[] args)
26 {
     int a = 16396, numbertobereplaced = 6, replace
     System.out.println("K.Durga <a href="Sri Sravya SAPID:5">Sri Sravya SAPID:5</a>
     System.out.println(replaceDigit(a, numbertobe)
30 }
31 }
        Terminal
  ×
K.Durga Sri Sravya SAPID:51836473
15395
Process finished.
```

```
binary.java 🖴
         Saved
  class BinarySearch {
    int binarySearch(int arr[], int l, int r, int >
    {
      if (r >= 1)
        int mid = 1 + (r - 1) / 2;
        // If the element is present at the middle
        if (arr[mid] == x)
          return mid;
        // If element is smaller than mid, then it
        if (arr[mid] > x)
          return binarySearch(arr, 1, mid - 1, x);
        return binarySearch(arr, mid + 1, r, x);
      // We reach here when element is not present
      return -1;
    }
    // Driver method to test above
    public static void main(String args[])
    {
      System.out.println("k.Durga_sri_sravya SAPID
      BinarySearch ob = new BinarySearch();
      int arr[] = \{ 2, 3, 4, 10, 40 \};
      int n = arr.length;
      int x = 10;
      int result = ob.binarySearch(arr, 0, n - 1, )
      if (result == -1)
        System.out.println("Element not present");
      else
        System.out.println("Element found at index
    }
31 }
       Terminal
k.Durga_sri_sravya SAPID:51836473
Element found at index 3
```

Process finished.