

```

1  import java.util.Arrays;
2  import java.util.Scanner;
3  class Main
4  {
5      public static void sort(int[] arr)
6      {
7          int zeros = 0;
8          for (int val : arr)
9          {
10             if (val == 0)
11             {
12                 zeros++;
13             }
14         }
15         int k = 0;
16         while (zeros-- != 0)
17         {
18             arr[k++] = 0;
19         }
20         while (k < arr.length)
21         {
22             arr[k++] = 1;
23         }
24     }
25     public static void main (String[] args)
26     {
27         System.out.println("Ch.Ramana Rohith");
28         Scanner sc=new Scanner(System.in);
29         System.out.print("Enter the size of array");
30         int length=sc.nextInt();
31         int[] arr=new int[length];
32         System.out.println("enter the binary elements");
33         for (int i = 0; i <length; i++)
34         {
35             arr[i]= sc.nextInt();
36         }
37         sort(arr);
38         System.out.println(Arrays.toString(arr));
39     }
40 }

```



Make public 



× Terminal



Ch.Ramana Rohith

Enter the size of array :4

enter the binary elements :

1

0

0

1

[0, 0, 1, 1]

Process finished.

|

```

1  import java.util.Scanner;
2  class BinarySearch
3  {
4
5      static int binarySearch(String[] arr, String
6      {
7          int l = 0, r = arr.length - 1;
8          while (l <= r)
9          {
10             int m = l + (r - l) / 2;
11             int res = x.compareTo(arr[m]);
12             if (res == 0)
13                 return m;
14             if (res > 0)
15                 l = m + 1;
16             else
17                 r = m - 1;
18         }
19         return -1;
20     }
21     public static void main(String []args)
22     {
23         System.out.println("Ch.Ramana Rohith");
24         Scanner sc = new Scanner(System.in);
25         System.out.println("Enter Size :");
26         int n = sc.nextInt();
27         sc.nextLine();
28         String[] arr = new String[n];
29         System.out.println("enter "+n+" elements
30         for (int i=0;i<n;i++)
31         {
32             arr[i]=sc.nextLine();
33         }
34         System.out.println("Enter String you want
35         String x = sc.nextLine();
36         int result = binarySearch(arr, x);
37         if (result == -1)
38             System.out.println("Element not present")
39         else
40             System.out.println("Element found at "+
41     }
42 }

```

× Terminal

```
Ch.Ramana Rohith
Enter Size :
3
enter 3 elements :
raman
rohith
chadaram
Enter String you want to Search :
rohith
Element found at index 1

Process finished.
```

```
1 import java.util.Scanner;
2 class Conversion
3 {
4 static int replaceDigit(int x, int a,int b)
5 {
6     int result = 0, multiply = 1;
7     while (x % 10 > 0)
8     {
9         int remainder = x % 10;
10        if (remainder == a)
11            result = result + b * multiply;
12        else
13            result = result + remainder * multiply;
14        multiply *= 10;
15        x = x / 10;
16    }
17    return result;
18 }
19 public static void main(String[] args)
20 {
21     System.out.println("Ch.Ramana Rohith");
22     Scanner sc=new Scanner(System.in);
23     System.out.print("Enter your number : ");
24     int x = sc.nextInt();
25     System.out.print("Enter number to convert
26     int a = sc.nextInt();
27     System.out.println("Enter number to convert
28     int b = sc.nextInt();
29     System.out.println(replaceDigit(x, a, b));
30 }
31 }
```


× Terminal



```
Ch.Ramana Rohith
Enter your number : 23411
Enter number to convert : 1
Enter number to convert into :
6
23466

Process finished.
```

```

1 //4th question
2 //Ch.Ramana Rohith
3 class Pattern
4 {
5     public static void main(String args[])
6     {
7         for(int i=1;i<=5;i++)
8         {
9             for(int j=1;j<=i;j++)
10            {
11                if(i==5 && j==3)
12                {
13                    System.out.print("@");
14                }
15                else if(j==1 || j==i)
16                {
17                    System.out.print("1");
18                }
19                else
20                {
21                    System.out.print("0");
22                }
23            }
24            System.out.println();
25        }
26    }
27 }

```

✕ Terminal



```

1
11
101
1001
10@01

```