

```

1  java.io.*;
2  class Main
3
4  public static void main(String[] args) throws IOException
5  {
6      BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
7      System.out.println("Author: S.kameswari \n SAP ID: 51834703");
8      System.out.print("Enter a number : ");
9      int n = Integer.parseInt(br.readLine());
10     int copy = n, a = 0, sum = 0;
11     String b = Integer.toString(n);
12     int len = b.length();
13
14     while(copy > 0)
15     {
16         a = copy % 10;
17         sum = sum + (int) Math.pow(a, len);
18         len--;
19         copy = copy / 10;
20     }
21
22     if(sum == n)
23         System.out.println(n + " is a Disarium Number");
24     else
25         System.out.println(n + " is not a Disarium Number");
26 }
27

```

× Terminal

```

Author: S.kameswari
SAP ID: 51834703
Enter a number : 79
79 is not a Disarium Number.

```

Process finished.

```

1  public class Main
2
3  {
4      public static int binarySearch(int[] M, int left, int right, int key)
5      {
6          if (left > right) {
7              return -1;
8          }
9
10         int mid = (left + right) / 2;
11
12         if (M[mid] == key) {
13             return mid;
14         }
15
16         else if (M[mid] < key) {
17             return binarySearch(M, mid + 1, right, key);
18         }
19
20         else {
21             return binarySearch(M, left, mid - 1, key);
22         }
23     }
24
25     public static void main(String[] args)
26     {
27         int[] M = { 2, 5, 6, 8, 9, 10 };
28         int key = 9;
29
30         int left = 0;
31         int right = M.length - 1;
32
33         int index = binarySearch(M, left, right, key);
34
35         System.out.println("Author: S.kameswari \n SAP ID: 51834703");
36         if (index != -1) {
37             System.out.println("Element found at index " + index);
38         } else {
39             System.out.println("Element not found in the array");
40         }
41     }
42 }

```

⋮ Project info ⓘ



× Terminal

Author S.kameswari
SAP ID: 51834703
Element found at index 4

Process finished.

|

```
1  import java.util.*;
2  import java.lang.*;
3  // Java program to replace a digit
4  // with other in a given number.
5  class GF6
6  {
7      static int replaceDigit(int x, int d1,
8                              int d2)
9      {
10         int result = 0, multiply = 1;
11
12         while (x % 10 > 0)
13         {
14
15             // Take remainder of number
16             // starting from the unit
17             // place digit
18             int remainder = x % 10;
19             // check whether it is equal
20             // to the digit to be replaced.
21             // if yes then replace
22             if (remainder == d1){
23                 result = result + d2 * multiply;
24             }
25             else { // else remain as such
26                 result = result + remainder * multiplic
27             }
28             // Update and move forward
29             // from unit place to
30             // hundred place and so on.
31             multiply *= 10;
32             x = x / 10; // update the value
33         }
34         return result;
35     }
36     // Driver code
37     public static void main(String[] args)
38     {
39
40         System.out.println("S.kameswari");
41
42         Scanner scanner = new Scanner(System.in);
43         int n = scanner.nextInt();
44         int d1 = scanner.nextInt();
45         int d2 = scanner.nextInt();
46         replaceDigit(n, d1, d2);
47     }
48 }
```

⋮ Make public



Scanner(System.in);
println("Enter a number:");



```

22     if (remainder == d1){
23         result = result + d2 * multiply;
24     }
25     else { // else remain as such
26         result = result + remainder * multiply;
27     }
28     // Update and move forward
29     // from unit place to
30     // hundred place and so on.
31     multiply *= 10;
32     x = x / 10; // update the value
33 }
34 return result;
35 }
36 // Driver code
37 public static void main(String[] args)
38 {
39     System.out.println("S.kameswari");
40
41     Scanner sc = new Scanner(System.in);
42     System.out.println("Enter a number:");
43
44     int x = sc.nextInt();
45     System.out.println("enter which no you replace");
46     int d1 = sc.nextInt();
47     System.out.println("enter the number which num");
48
49
50
51     int d2 = sc.nextInt();
52
53     System.out.println(replaceDigit(x, d1, d2))
54 }
55 }

```

```

13 {
14
15     // Take remainder of number
16     // starting from the unit
17     // place digit
18     int remainder = x % 10;
19     // check whether it is equal

```

× Terminal



```

S.kameswari
Enter a number:
89
enter which no you replace:
9
enter the number which number you want:
1
81

Process finished.

```

⋮ Make public



