

iii.java

Saved

```
1 import java.util.*;
2
3 public class Main {
4
5     public static void main(String[] args) throws Ex
6
7         Scanner sc = new Scanner(System.in);
8         System.out.println("Enter the first string:");
9         String input = sc.nextLine();
10
11        System.out.println("Enter the second string:");
12        String rotation = sc.nextLine();
13
14        if (checkRotatation(input, rotation)) {
15            System.out.println(input + " and " + rotation
16                            + " are rotation of each other");
17        } else {
18            System.out.println("they are not rotation of
19        }
20
21        sc.close();
22        System.out.println("Basha\n51834537");
23    }
24
25    public static boolean checkRotatation(String origi
26        if (original.length() != rotation.length()) {
27            return false;
28        }
29
30        String concatenated = original + original;
31
32        if (concatenated.indexOf(rotation) != -1) {
33            return true;
34        }
35
36        return false;
37    }
38 }
```

x Terminal



```
Enter the first string:
abc
Enter the second string:
bca
abc and bca are rotation of each other
Basha
51834537
```

Process finished.



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26        if (original.length() != rotation.length()) {
27            return false;
28        }
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30        String concatenated = original + original;
31
32        if (concatenated.indexOf(rotation) != -1) {
33            return true;
34        }
35
36        return false;
37    }
38 }
```

x Terminal



```
Enter the first string:
abc
Enter the second string:
cab
abc and cab are rotation of each other
Basha
51834537
```

Process finished.

iii.java

Saved

```
1 import java.util.Scanner;
2 class Main
3 {
4
5     public static void main (String[] args) {
6         Scanner sc=new Scanner(System.in);
7
8         System.out.print("Enter a number: ");
9         int n=sc.nextInt();
10        System.out.print("Enter a number to remove: ");
11        int num1=sc.nextInt();
12        int length=length(n);
13        int []d=replaceNum(n, length, num1 );
14        System.out.println("Number after the digit "+num1+" is: ");
15        for(int i=length-1;i>=0;i--)
16        {
17            if(d[i]<10)
18                System.out.print(d[i]);
19        }
20        System.out.println("Basha\n51834537");
21    }
22    public static int[] replaceNum(int num,int num1 )
23    {
24        int d[]=new int[length];
25        for(int i=0;i<length;i++)
26        {
27            d[i]=num%10;
28            num=num/10;
29        }
30        for(int i=0;i<length;i++)
31        {
32            if(d[i]==num1)
33            {
34                d[i]=10;
35            }
36        }
37    }
38    return d;
39 }
40    public static int length(int num)
41    {
42        int length=0;
43        int temp=num;
44        while(temp>0)
45        {
46            temp=temp/10;
47            length++;
48        }
49        return length;
50    }
51 }
```



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x Terminal



Enter a number: 543214

Enter a number to removed: 4

Number after the digit is removed...

5321Basha

51834537

Process finished.

|

x Terminal



```
Enter a number: 1234541
Enter a number to removed: 0
Number after the digit is removed...
1234541
Basha
51834537
```

Process finished.

iii.java Saved

```
1 import java.util.*;
2 class Dcoder
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         System.out.println("Enter the number:");
8         int n=sc.nextInt();
9         for(int i=1;i<=n;i++)
10        {
11            for(int j=1;j<=i;j++)
12            {
13                if(i==n && j==3)
14                {
15                    System.out.print("@");
16                }
17                else if(j==1 || j==i)
18                {
19                    System.out.print("1");
20                }
21                else
22                {
23                    System.out.print("!");
24                }
25            }
26            System.out.println();
27        }
28        System.out.println("Basha\n51834537");
29    }
30 }
31 }
```

Terminal



```
Enter the number:
5
1
11
1!1
1!!1
1!@!1
Basha
51834537
```

Process finished.

iii.java

Saved

```
1 import java.util.*;
2
3 class Main
4 {
5     public static void swap(int[] arr, int a, int b)
6     {
7         int temp = arr[a];
8         arr[a] = arr[b];
9         arr[b] = temp;
10    }
11
12    public static void bubbleSort(int[] arr, int x)
13    {
14        for (int a = 0; a < x - 1; a++) {
15            if (arr[a] > arr[a + 1]) {
16                swap(arr, a, a + 1);
17            }
18        }
19        if (x - 1 > 1) {
20            bubbleSort(arr, x - 1);
21        }
22    }
23
24    public static void main(String[] args)
25    {
26        int[] arr = { 3, 5, 8, 4, 1, 9, -2 };
27        bubbleSort(arr, arr.length);
28
29        System.out.println("Basha\n51834537");
30        System.out.println(Arrays.toString(arr));
31    }
32 }
33 }
```

x Terminal



Basha
51834537
[-2, 1, 3, 4, 5, 8, 9]

Process finished.