```java
import java.util.*;

public class Main {

  public static void main(String[] args) throws Exception {

    Scanner sc = new Scanner(System.in);
    System.out.println("Author:Ch.Pavan Manoj Kumar\nSAP ID:51834541");
    System.out.println("Enter the first string:");
    String input = sc.nextLine();

    System.out.println("Enter the second string:");
    String rotation = sc.nextLine();

    if (checkRotatation(input, rotation)) {
      System.out.println(input + " and " + rotation
                are rotation of each other");
```

```java
     if (checkRotatation(input, rotation)) {
16        System.out.println(input + " and " + rotation
17             + " are rotation of each other");
18     } else {
19        System.out.println("they are not rotation of another");
20     }
21
22     sc.close();
23  }
24
25  public static boolean checkRotatation(String original, String rotation) {
26     if (original.length() != rotation.length()) {
27        return false;
28     }
29
30     String concatenated = original + original;
31
          tenated.indexOf(rotation) != -1) {
          true;
```

File info ⓘ

```java
25   public static boolean checkRotatation(String original, String rotation) {
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 }
```

File info ⓘ

```
Terminal

Author:Ch.Pavan Manoj Kumar
SAP ID:51834541
Enter the first string:
XYZ
Enter the second string:
ZXY
XYZ and ZXY are rotation of each other

Process finished.
```

```java
import java.util.Scanner;
class Main
{
    public static int[] replaceNum(int num,int length, int num1)
    {
        int d[]=new int[length];
        for(int i=0;i<length;i++)
        {
            d[i]=num%10;
            num=num/10;
        }
        for(int i=0;i<length;i++)
        {
            if(d[i]==num1)
            {
                d[i]=10;
```

```java
15          {
16              d[i]=10;
17
18          }
19      }
20      return d;
21  }
22  public static int length(int num)
23  {
24      int length=0;
25      int temp=num;
26      while(temp>0)
27      {
28          temp=temp/10;
29          length++;
30      }
```

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ain (String[] args) {

```java
31          return length;
32      }
33      public static void main (String[] args) {
34          Scanner sc=new Scanner(System.in);
35          System.out.println("Author:Ch.Pavan Manoj Kumar\n Sap id :51834541");
36          System.out.print("\nEnter a number: ");
37          int n=sc.nextInt();
38          System.out.print("Enter a number to removed: ");
39          int num1=sc.nextInt();
40          int length=length(n);
41          int[]d=replaceNum(n, length, num1 );
42          System.out.println("\nNumber after the digit is removed...");
43          for(int i=length-1;i>=0;i--)
44          {
45              if(d[i]<10)
46                  System.out.print(d[i]);
```

```
39        int num1=sc.nextInt();
40        int length=length(n);
41        int[]d=replaceNum(n, length, num1 );
42        System.out.println("\nNumber after the digit is removed...");
43        for(int i=length-1;i>=0;i--)
44        {
45            if(d[i]<10)
46            System.out.print(d[i]);
47        }
48    }
49 }
```

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```
Author:Ch.Pavan Manoj Kumar
  Sap id :51834541

Enter a number: 786
Enter a number to removed: 6

Number after the digit is removed...
78
Process finished.
```