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

Author:A.venkatsai
SAP ID:51834542
Enter the first string:

```java
class Demo{
  public static void main (String args[
    System.out.println("\nname:Asa venkat
     for(int i=0;i<=5;i++){
        for(int j=0;j<i;j++){
           if(j==0||j==i-1){
              System.out.print("1");
           }
           else if(i==5&&j==2){
              System.out.print("@");
           }
           else{
              System.out.print("!");
           }
        }
        System.out.println();
     }
  }
}
```

Terminal

```
name:Asa venkatsai
sap id:51834542


1
11
```

```java
1  import java.util.Arrays;
2
3  class Main
4  {
5      public static void swap(int[] arr, i
6      {
7          int temp = arr[a];
8          arr[a] = arr[b];
9          arr[b] = temp;
10     }
11
12     public static void bubbleSort(int[]
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
25     public static void main(String[] arg
26     {
27         int[] arr = { 3, 5, 8, 4, 1, 9,
28
29         bubbleSort(arr, arr.length);
30
31         System.out.println("Author:Asa v
32         System.out.println(Arrays.toStri
```

× Terminal 🗗

```
Author:Asa venkatsai
SAP ID:51834542
[-2, 1, 3, 4, 5, 8, 9]


Process finished.
```