

```

1  import java.util.*;
2
3  public class Main {
4
5      public static void main(String[] args) throws Exception {
6
7          Scanner sc = new Scanner(System.in);
8          System.out.println("Author:G.sravan\nSAP ID:5188");
9          System.out.println("Enter the first string:");
10         String input = sc.nextLine();
11
12         System.out.println("Enter the second string:");
13         String rotation = sc.nextLine();
14
15         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
20             each other");
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
32         if (concatenated.indexOf(rotation) != -1) {
33             return true;
34         }
35
36         return false;
37     }
38 }

```



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Enter the first string:

xyz

Enter the second string:

yxz

they are not rotation of another

Process finished.



```
1  class Sravan{
2      public static void main (String args[]){
3          System.out.println("\nname:G.sravan\nsap id:5183");
4          for(int i=0;i<=5;i++){
5              for(int j=0;j<i;j++){
6                  if(j==0||j==i-1){
7                      System.out.print("1");
8                  }
9                  else if(i==5&& j==2){
10                     System.out.print("@");
11                 }
12                 else{
13                     System.out.print("!");
14                 }
15             }
16             System.out.println();
17         }
18     }
19 }
```



```
name:G.sravan  
sap id:51834566
```

```
1  
11  
1!1  
1!!1  
1!@!1
```

```
Process finished.
```

```

1  import java.util.Arrays;
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
28         bubbleSort(arr, arr.length);
29
30         System.out.println("Author:G.sravan\nSAP ID:");
31         System.out.println(Arrays.toString(arr));
32     }
33 }

```

✕ Terminal



```

Author:G.sravan
SAP ID:51834566
[-2, 1, 3, 4, 5, 8, 9]

```

Process finished.