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2nd answer

```
1  import java.util.*;
2
3  public class Main {
4
5      public static void main(String[] args) throws
6
7          Scanner sc = new Scanner(System.in);
8          System.out.println
9          ("Author:S.Nithin \nSAP ID:51834789");
10         System.out.println
11         ("Enter the first string:");
12         String input = sc.nextLine();
13
14         System.out.println
15         ("Enter the second string:");
16         String rotation = sc.nextLine();
17
18         if (checkRotatation(input, rotation)) {
19             System.out.println
20             (input + " and " + rotation
21             + " are rotation of each other");
22         } else {
23             System.out.println
24             ("they are not rotation of another");
25         }
26         sc.close();
27     }
28     public static boolean
29     checkRotatation
30     (String original, String rotation) {
31         if (original.length() != rotation.length())
32             return false;
33     }
34
35     String concatenated = original + original;
36
37     if (concatenated.indexOf(rotation) != -1) {
38         return true;
39     }
40
41     return false;
42 }
43 }
```

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Enter the first string:

2

Enter the second string:

5

they are not rotation of another

Process finished.

5th answer

```
1  import java.util.Arrays;
2
3  class Main
4  {
5      public static void swap
6      (int[] arr, int a, int b)
7      {
8          int temp = arr[a];
9          arr[a] = arr[b];
10         arr[b] = temp;
11     }
12
13     public static void bubbleSort
14     (int[] arr, int x)
15     {
16         for (int a = 0; a < x - 1; a++) {
17             if (arr[a] > arr[a + 1]) {
18                 swap(arr, a, a + 1);
19             }
20         }
21         if (x - 1 > 1) {
22             bubbleSort(arr, x - 1);
23         }
24     }
25
26     public static void main(String[] args)
27     {
28         int[] arr = { 4, 6, 3, -2, 9, 0 };
29
30         bubbleSort(arr, arr.length);
31
32         System.out.println
33         ("Author:S.Nithin \nSAP ID:51834789");
34         System.out.println
35         (Arrays.toString(arr));
36     }
37 }
```

× Terminal



```
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[-2, 0, 3, 4, 6, 9]
```

Process finished.