

```
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:P.Kathyayani\nSAP ID:51834723");
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 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
```

```
29  
30 String concatenated = original + original;  
31  
32 if (concatenated.indexOf(rotation) != -1) {  
33     return true;  
34 }  
35  
36 return false;  
37 }  
38 }
```

```
Author:P.Kathyayani  
SAP ID:51834723  
Enter the first string:  
xyz  
Enter the second string:  
yxz  
they are not rotation of another  
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    }
20 }
```

```

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, 15, -9, 56, 75 };
27
28     bubbleSort(arr, arr.length);
29
30     System.out.println("Author:P.Kathyayani\nSAP ID:51834723");
31     System.out.println(Arrays.toString(arr));
32 }
33 }

```

```
Author:P.Kathyayani  
SAP ID:51834723  
[-9, 3, 5, 15, 56, 75]
```

```
Process finished.
```


JAVA_QUIZ_DAY_7

Attempts allowed: 1

This quiz closed on Friday, 24 July 2020,
4:00 PM

Time limit: 30 mins

SUMMARY OF YOUR PREVIOUS ATTEMPTS



	Marks /	Grade /	
State	20.00	10.00	Review
Finished Submitted Friday, 24 July 2020, 3:42 PM	6.00	3.00	Not permitted

YOUR FINAL GRADE
FOR THIS QUIZ IS
3.00/10.00.