



java\_\_2.java



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```
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:K. Sudarshan Reddy \nSAP ID:51834730");
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 rotations of each other");
18            System.out.println("They are not rotations of each other");
19        }
20    }
21 }
```

File info



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```
System.out.println("they are 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
32     if (concatenated.indexOf(rotation) != -1) {
```

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```
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



X Terminal



Author:K. Sudarshan Reddy

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Enter the first string:

XYZ

Enter the second string:

ZXY

XYZ and ZXY are rotation of each other

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:K. Sudarshan Reddy\nSAP ID:51834730");
31        System.out.println(Arrays.toString(arr));
32    }
33 }
```

X Terminal



Author:K. Sudarshan Reddy  
SAP ID:51834730  
[-2, 1, 3, 4, 5, 8, 9]

Process finished.