

## ← Code Playground



```
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:B. sowmya
        lahari\nSAP ID:51834670");
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
32        if (concatenated.indexOf(rotation) != -1) {
33            return true;
34        }
35
36        return false;
37    }
38 }
```

TAB

{

;

"

=

RUN





## ← Code Playground



### OUTPUT

```
Author:B. sowmya lahari  
SAP ID:51834670  
Enter the first string:  
Enter the second string:
```

```
Exception in thread "main"  
java.util.NoSuchElementException: No line  
found  
    at java.base/  
java.util.Scanner.nextLine(Scanner.java:1651)  
    at Main.main(Main.java:13)
```



## ← Code Playground



```
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:B.Sowmya lahari
31        \nSAP ID:51834670");
32        System.out.println(Arrays.toString(arr));
33    }
34 }
```

## OUTPUT

```
Author:B.Sowmya lahari
SAP ID:51834670
[-2, 1, 3, 4, 5, 8, 9]
```

