```java
import java.util.*;

public class Main {

    public static void main(String[] args) throws Exception {

        Scanner sc = new Scanner(System.in);
        System.out.println("Author:T.Pravallika\nSAP ID:51834742");
        System.out.println("Enter the first string:");
        String input = sc.nextLine();

        System.out.println("Enter the second string:");
        String rotation = sc.nextLine();

        if (checkRotatation(input, rotation)) {
            System.out.println(input + " and " + rotation
                + " are rotation of each other");
        } else {
            System.out.println("they are not rotation of another");
        }

        sc.close();
    }

    public static boolean checkRotatation(String original, Stri
        if (original.length() != rotation.length()) {
            return false;
        }

        String concatenated = original + original;

        if (concatenated.indexOf(rotation) != -1) {
            return true;
        }

        return false;
    }
}
```

```
Author:T.Pravallika
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Enter the first string:
Helo
Enter the second string:
World
they are not rotation of another

Process finished.
```

```java
1  rt java.util.Arrays;
2
3  s Main
4
5  ublic 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 ublic 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 ublic 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:T.Pravallika\nSAP ID:51834742
31     System.out.println(Arrays.toString(arr));
32 .
33
```

```
Author:T.Pravallika
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[-2, 1, 3, 4, 5, 8, 9]

Process finished.
```