```java
import java.util.Arrays;

class Main
{
    public static void swap(int[] arr, int a, in
    {
        int temp = arr[a];
        arr[a] = arr[b];
        arr[b] = temp;
    }

    public static void bubbleSort(int[] arr, int
    {
        for (int a = 0; a < x - 1; a++) {
            if (arr[a] > arr[a + 1]) {
                swap(arr, a, a + 1);
            }
        }
        if (x - 1 > 1) {
            bubbleSort(arr, x - 1);
        }
    }

    public static void main(String[] args)
    {
        int[] arr = { 3, 5, 8, 4, 1, 9, -2 };

        bubbleSort(arr, arr.length);

        System.out.println("Author: M.Bharath\nSA
        System.out.println(Arrays.toString(arr));
    }
}
```

×   Terminal   🗗

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[-2, 1, 3, 4, 5, 8, 9]

Process finished.

```java
import java.util.*;

public class Main {

  public static void main(String[] args) throws

    Scanner sc = new Scanner(System.in);
    System.out.println("Author:M.Bharath\nSAP ID
    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 " + rotat
          + " are rotation of each other");
    } else {
      System.out.println("they are not rotation
    }

    sc.close();
  }

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

    String concatenated = original + original;

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

    return false;
  }
}
```

: Make public 🌐

```
Author:M.Bharath
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Enter the first string:
3
Enter the second string:
2
they are not rotation of another

Process finished.
```