```java
import java.util.Arrays;

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

    public static void bubbleSort(int[] arr, int x)
    {
        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 = { 8, 7, -8, 4, 81, 9, -2 };

        bubbleSort(arr, arr.length);

        System.out.println("k.divya sri,SAP ID-51834625");
        System.out.println(Arrays.toString(arr));
    }
}
```

```
k.divya sri,SAP ID-51834625
[-8, -2, 4, 7, 8, 9, 81]

Process finished.
```

```java
import java.util.Scanner;

public class Main {

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

    Scanner sc = new Scanner(System.in);
    System.out.println("k.divya sri,SAP ID-51834625");
    System.out.println("Enter the string 1:");
    String input = sc.nextLine();

    System.out.println("Enter the string 2:");
    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, Strin
    if (original.length() != rotation.length()) {
      return false;
    }

    String concatenated = original + original;

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

    return false;
  }
}
```

```
X  Terminal                    ⧉

k.divya sri,SAP ID-51834625
Enter the string 1:
xyz
Enter the string 2:
xyz
xyz and xyz are rotation of each other

Process finished.
|
```