```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:B.Vishnu priya
  \nSAP ID:51834736");
      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, String rotation) {
      if (original.length() != rotation.length()) {
          return false;
      }

      String concatenated = original + original;

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

      return false;
  }
}
```

```
Author:B.Vishnu priya
SAP ID:51834736
Enter the first string:
abc
Enter the second string:
bca
abc and bca are rotation of each other

Process finished.
```

```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 = { 3, 5, 8, 4, 1, 9, -2 };

   bubbleSort(arr, arr.length);

   System.out.println("Author:B.Vishnu priya\nSAP
ID:51834736");
   System.out.println(Arrays.toString(arr));
 }
}
```

```
Author:B.Vishnu priya
SAP ID:51834736
[-2, 1, 3, 4, 5, 8, 9]

Process finished.
```