



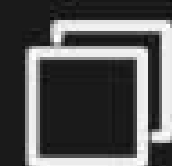
sort.java



Saved

```
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("Name : Sk.Farheena\nSAP ID:51834710");
31         System.out.println(Arrays.toString(arr));
32     }
33 }
34
```

× Terminal



```
Name : Sk.Farheena
SAP ID:51834710
[-2, 1, 3, 4, 5, 8, 9]

Process finished.
```

← sort.java Saved

```
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("Name: Farheena\nSAP ID:51834710");
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 }
```

✕ Terminal

```
Name: Farheena
SAP ID:51834710
Enter the first string:
sona
Enter the second string:
anos
they are not rotation of another

Process finished.
```