```
0
   import java.util.Arrays;
2
3
   class Main
4
B
     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
     ŀ
П
12
     public static void bubbleSort(int[] arr, int x)
Œ
     Cd
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
     ı
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
       System.out.println("Author: A.swathi \nSAP ID:51834629");
30
       System.out.println("question 5");
31
32
       System.out.println(Arrays.toString(arr));
     П
33
34 1
        Terminal
```

Author:A.swathi
SAP ID:51834629
question 5
[-2, 1, 3, 4, 5, 8, 9]
Process finished.

```
12345678
   import java.util.*;
   public class Main {
     public static void main(String[] args) throws Exception {
       Scanner sc = new Scanner(System.in);
       System.out.println("Author: A.swathi \nSAP ID:51834629");
9
       System.out.println("question 3");
10
       System.out.println("Enter the first string:");
11
       String input = sc.nextLine();
12
13
       System.out.println("Enter the second string:");
14
       String rotation = sc.nextLine();
15
16
       if (checkRotatation(input, rotation)) {
17
         System.out.println(input + " and " + rotation
18
             + " are rotation of each other");
19
       } else {
20
         System.out.println("they are not rotation of another");
21
22
23
       sc.close();
24
25
26
     public static boolean checkRotatation(String original, Strin
27
       if (original.length() != rotation.length()) {
28
         return false:
29
30
31
       String concatenated = original + original;
32
33
       if (concatenated.indexOf(rotation) != -1) {
34
         return true;
35
36
77
   X Terminal
Author: A. swathi
SAP ID:51834629
question 3
 Enter the first string:
```

Swathi

jyothi

Enter the second string:

Process finished.

they are not rotation of another