```
2)
import java.util.*;
public class Main {
 public static void main(String[] args) throws Exception {
  Scanner sc = new Scanner(System.in);
  System.out.println("Author:D.Aditya Varma\nSAP ID:51834693");
  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");
   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;
```

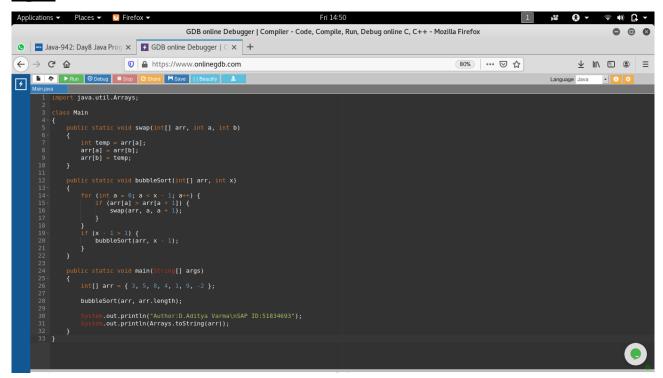
Input:

```
Applications * Places * Firefox * Frefox * Frefox * Firefox * Fire
```

Output:

```
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:D.Aditya Varma\nSAP ID:51834693");
               System.out.println(Arrays.toString(arr));
        }
}
```

Input:



Output:

