**[09. Procedures](https://github.com/MarselSidikov/JavaItis10/tree/master/Projects/%23%2009.%20Procedures)**

**import** java.util.Scanner;  
**import** java.util.Arrays;  
**class** Program {  
  
 **public static void** swap(**int** a, **int** b) {  
 **int** temp = a;  
 a = b;  
 b = temp;  
 }  
   
 **public static void** swapInArray(**int** a[], **int** i, **int** j) {  
 **int** temp = a[i];  
 a[i] = a[j];  
 a[j] = temp;  
 }  
  
 **public static void** printNumbersInRange(**int** a, **int** b) {  
 System.***out***.println(**"IN printNumbersInRange"**);  
 **if** (a > b) {  
 System.***out***.println(**"OUT 1 FROM printNumbersInRange"**);  
 **return**;  
 }   
 **for** (**int** i = a; i <= b; i++) {  
 System.***out***.print(i + **" "**);  
 }  
 System.***out***.println();  
 System.***out***.println(**"OUT 2 FROM printNumbersInRange"**);  
 }  
  
 **public static void** processNumbers() {  
 System.***out***.println(**"IN processNumbers"**);  
 Scanner scanner = **new** Scanner(System.***in***);  
 **while** (**true**) {  
 System.***out***.println(**"IN while of processNumbers"**);  
 **int** x = scanner.nextInt();  
 **int** y = scanner.nextInt();  
 *printNumbersInRange*(x, y);  
 }  
 }  
  
  
 **public static void** main(String[] args) {  
 *// System.out.println("IN main");  
 // processNumbers();* **int** array[] = {0, 1, 2, 3, 4};  
 *swapInArray*(array, 1, 4);  
 System.***out***.println(Arrays.*toString*(array));  
 }  
}

[0, 4, 2, 3, 1]