Write code that will take in a String input and check to see if it is a palindrome or not.

A palindrome means that the characters are the same forwards and backwards, ignoring spaces.

Examples of palindromes:

- racecar

- was it a car or a cat I saw

- never odd or even

- rats live on no evil star

Your check should be case insensitive too. For example, "Bob" is a palindrome, despite the first B being capitalized.

Your program will print out "true" if it's a palindrome and "false" if not.

```java
import java.util.Scanner;

class Main {
  public static void main(String[] args) {
    Scanner inp = new Scanner(System.in);
    System.out.print("In:");
    String s = inp.nextLine();
          //write your code below



  }
```

You are given two inputs:

int num1;

int num2;

You can assume that the following:

num2 > num1 ==> TRUE

You are to write a program that will print out all the ODD numbers in between num1 and num2 inclusive. Your output should all be on one line, separated by spaces.

Sample input/output:

#1: 3

#2: 11

3 5 7 9 11

#1: 4

#2: 20

5 7 9 11 13 15 17 19

```
import java.util.Scanner;

class Main {
  public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    System.out.print("#1: ");
    int num1 = s.nextInt();
    System.out.print("#2: ");
    int num2 = s.nextInt();
    //start on line 11
  }
}
```