

Given a string, determine if it is a Palindrome string or not. A String is Palindrome if it is equal to reverse of the original string.

**Input Format**

A String from the user

**Constraints**

Non-empty String

**Output Format**

Palindrome or not

**Sample Input 0**

abba

**Sample Output 0**

valid

**Sample Input 1**

abc

**Sample Output 1**

invalid

**Sample Input 2**

madam

**Sample Output 2**

valid