

```
def are_anagrams(word1, word2):  
    # Remove spaces and convert to lowercase to ignore case and spaces  
    word1 = word1.replace(" ", "").lower()  
    word2 = word2.replace(" ", "").lower()  
  
    # Check if the sorted characters are the same  
    return sorted(word1) == sorted(word2)  
  
# Input two words  
word1 = input("Enter the first word: ")  
word2 = input("Enter the second word: ")  
  
# Check if they are anagrams  
if are_anagrams(word1, word2):  
    print(f"{word1} and {word2} are anagrams.")  
else:  
    print(f"{word1} and {word2} are not anagrams.")  
  
Enter the first word: silent  
Enter the second word: listem  
silent and listem are not anagrams.
```