

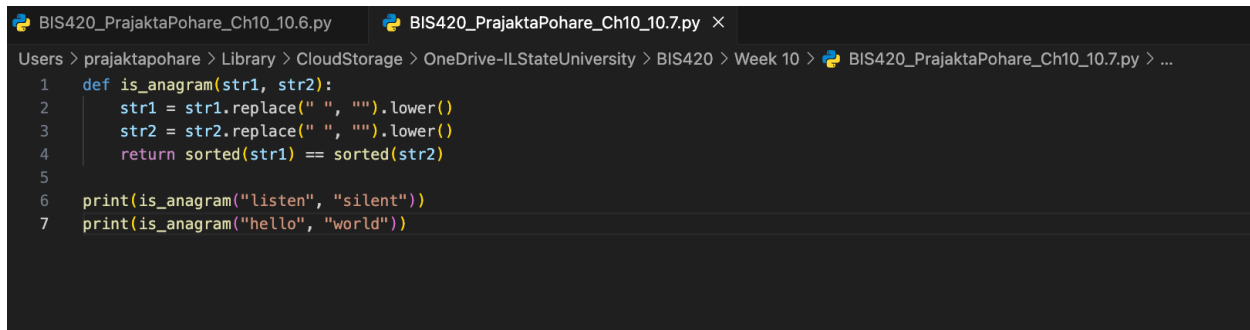
BIS 420 PROGRAMMING FOR DATA SCIENCE

PRAJAKTA POHARE CHAPTER 10 EXERCISE 10.7 ILLINOIS STATE UNIVERSITY

Two words are anagrams if you can rearrange the letters from one to spell the other. Write a function called `is_anagram` that takes two strings and returns `True` if they are anagrams.

```
def is_anagram(str1, str2):  
    str1 = str1.replace(" ", "").lower()  
    str2 = str2.replace(" ", "").lower()  
    return sorted(str1) == sorted(str2)
```

```
print(is_anagram("listen", "silent"))  
print(is_anagram("hello", "world"))
```

A screenshot of a code editor with two tabs. The active tab is titled 'BIS420_PrajaktaPohare_Ch10_10.7.py'. The editor shows a Python function definition for 'is_anagram' and two print statements. The code is as follows:

```
1 def is_anagram(str1, str2):  
2     str1 = str1.replace(" ", "").lower()  
3     str2 = str2.replace(" ", "").lower()  
4     return sorted(str1) == sorted(str2)  
5  
6 print(is_anagram("listen", "silent"))  
7 print(is_anagram("hello", "world"))
```

The background of the code editor is dark, and the text is light-colored. The file path in the breadcrumb is 'Users > prajaktapohare > Library > CloudStorage > OneDrive-ILStateUniversity > BIS420 > Week 10 > BIS420_PrajaktaPohare_Ch10_10.7.py > ...'.