

BIS 420 PROGRAMMING FOR DATA SCIENCE

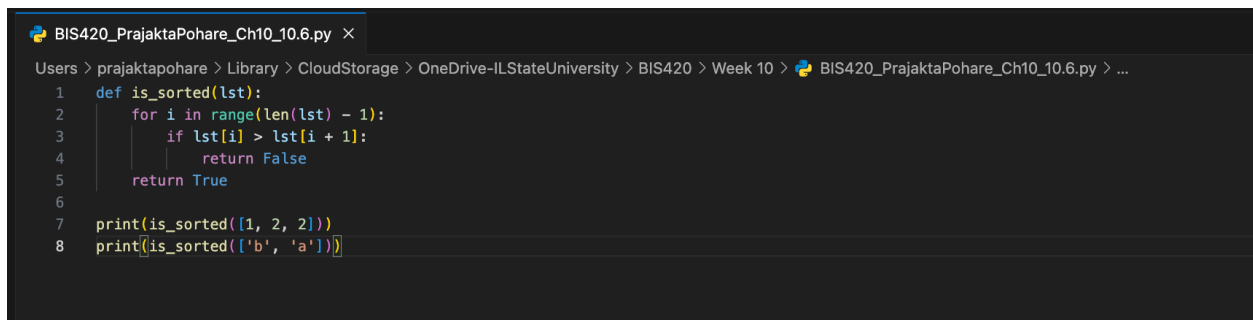
PRAJAKTA POHARE CHAPTER 10 EXERCISE 10.6 ILLINOIS STATE UNIVERSITY

Write a function called `is_sorted` that takes a list as a parameter and returns `True` if the list is sorted in ascending order and `False` otherwise. You can assume (as a precondition) that the elements of the list can be compared with the relational operators `<`, `>`, etc.

For example, `is_sorted([1,2,2])` should return `True` and `is_sorted(['b','a'])` should return `False`.

```
def is_sorted(lst):  
    for i in range(len(lst) - 1):  
        if lst[i] > lst[i + 1]:  
            return False  
    return True
```

```
print(is_sorted([1, 2, 2]))  
print(is_sorted(['b', 'a']))
```



```
BIS420_PrajaktaPohare_Ch10_10.6.py ×  
Users > prajaktapohare > Library > CloudStorage > OneDrive-ILStateUniversity > BIS420 > Week 10 > BIS420_PrajaktaPohare_Ch10_10.6.py > ...  
1  def is_sorted(lst):  
2      for i in range(len(lst) - 1):  
3          if lst[i] > lst[i + 1]:  
4              return False  
5      return True  
6  
7  print(is_sorted([1, 2, 2]))  
8  print(is_sorted(['b', 'a']))
```