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QUEST: basicPythonQuest
CODE:
# Basic Python Quest
# When returning lists of values, order is not important unless
specified
 _STUDENT_ID__ = "47812509"
__CODING_NAME = "RonShell"
def isSorted(list):
    isSorted = True
    #Create for loop to check if list is sorted
    for i in range(len(list) - 1):
        if list[i] > list[i + 1]:
            isSorted = False
            break
    if not isSorted:
        return False
    else:
        return True
def isSortedAndUnique(list):
    #Check if both functions returns unique & sorted list
    if hasUniqueValues(list) and isSorted(list):
        return True
    return False
def hasUniqueValues(list):
    isUnique = True
    #for loop to check uniques values
    for i in range(len(list) - 1):
        for j in range(i + 1, len(list)):
            if (list[i] == list[j]):
                isUnique = False
                break
        if not isUnique:
            break
    if not isUnique:
        return False
    else:
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return True

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def genSortedArrayUniqueValues(list):
    # for loop to sort the list
    for j in range(len(list) - 1):
            for i in range(len(list) - 1):
                if list[i] > list[i + 1]:
                    list[i], list[i + 1] = list[i + 1], list[i]
    #list created to store unique values
    uniqueList=[]
    #for loop to create unique list from the sorted list
    for li in list:
        if li not in uniqueList:
            uniqueList.append(li)
    return uniqueList
def listToMapTwoByTwo(list):
    # Create a new dictionary
    newDict={}
    bool = True
    for element in list:
        if bool:
            # first element of list is stored in var k
            k = element
            bool = False
        elif not bool:
            #first element is stored as key & second as value
            newDict[k] = element
            bool = True
    return newDict
def wordsInStringToDictWordCount(s):
    # Create a new dictionary
    dict = {}
    # Split the string in list
    splittedList = s.split()
    # for loop to iterate each element
    for i in splittedList:
        if (i not in dict):
            dict[i] = 1
        else:
            dict[i] = dict[i] + 1
    return dict
def reverseWordsInString(string):
    #split the string into list
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splittedStringList = string.split()
    # create an empty string
    reversedString=""
    #for loop to iterate each element from reverse list
    for i in splittedStringList[::-1]:
        #append each element
        reversedString+=" " + i
    return reversedString.strip()
def genListOfOverlaps(list1, list2):
    # Create a new list
    newlist = []
    # for loop to iterate each element from list1
    for i in list1:
        # check if each element from list1 is present in list2
        if i in list2:
            # if present append the element in new list
            newlist.append(i)
    return newlist
def removeDupsNoSet(list):
    # Create a new list
   newlist = []
    # for loop to remove duplicate
    for i in list:
        if i not in newlist:
            newlist.append(i)
    return newlist
def removeDupsUseSet(mylist):
    # mySet stores the unique values
    mySet=set(mylist)
    # uniqueList stores the values in list
    uniqueList=list(mySet)
    return uniqueList
if name == ' main ':
   print ('ready to go')
```

OUTPUT:

