Python Assignment 3

Chanikya Merugu

Code for converting to list and tuple :

*# program to convert to list and tuple.*wrd = input(**"Word Please!!"**) *# input from user***if** (wrd != **""**): *#checking codition* lstWrd = []  
 tpleWrd = ()  
  
  
 **for** str **in** wrd: *#for loop condition* lstWrd.append(str)  
 tpleWrd += (str,) *#appendig the string* print(lstWrd)  
 print(tpleWrd) *#printing the tple and wrd***else**:  
 print(**"word."**)

Code for sort tuple increasing order:

*# Program to sort tuple in increasing order***import** operator  
N\_list = [(7, 6), (5, 7), (4, 3), (1, 2), (1, 8)]  
  
  
**def** execute(lst): *#execute function* **if** isinstance(lst,list):  
 **return True  
 else**:  
 **return False** *#returning false if condition fails***if**(execute(N\_list)):  
 print(sorted(N\_list,key=**lambda** y:(y[1],-y[0]))) *#Lambda function* N\_list.sort(key=operator.itemgetter(1))  
 print(N\_list)  
  
  
**else**: print(**"Error"**)

def print\_horiz\_line():

print (' --- '\*k)

def print\_vert\_line():

print (' | '\*(k+1))

def print\_Value(value):

print("| "+value, flush=True)

k=int(input('enter the board size'))

for i in range(k):

print\_horiz\_line()

print\_vert\_line ()

print\_horiz\_line()

valueCheck=True

l, m = k, k;

list\_values = [[0 for x in range(l)] for y in range(m)]

while(True):

user\_input=input("enter board entry in (x,y) format:")

Xvalue=int(user\_input.split(",")[0])

Yvalue=int(user\_input.split(",")[0])

if(valueCheck):

list\_values[Xvalue][Yvalue]="X"

valueCheck = False

else:

list\_values[Xvalue][Yvalue] = "O"

valueCheck = True

for rows in list\_values:

print\_horiz\_line()

colCount = 0

for element in rows:

if(element!=0):

print\_Value(element)

print\_horiz\_line()