Python Tuples

**A. Access Tuple Items**

**Q:Return the third, fourth, and fifth item:**

thistuple = ("apple", "banana", "cherry", "orange", "kiwi", "melon", "mango")  
print(thistuple[2:5])

**Q:This example returns the items from the beginning to, but NOT included, "kiwi":**

thistuple = ("apple", "banana", "cherry", "orange", "kiwi", "melon", "mango")  
print(thistuple[:4])

**Q: This example returns the items from "cherry" and to the end:**

thistuple = ("apple", "banana", "cherry", "orange", "kiwi", "melon", "mango")  
print(thistuple[2:])

**B. Change Tuple Values**

**Q:Convert the tuple into a list to be able to change it:**

x = ("apple", "banana", "cherry")

y = list(x)

y[1] = "kiwi"

x = tuple(y)

print(x)

**C. Add Items**

**Q: Convert the tuple into a list, add "orange", and convert it back into a tuple:**

thistuple = ("apple", "banana", "cherry")  
y = list(thistuple)  
y.append("orange")  
thistuple = tuple(y)

**Q: Create a new tuple with the value "orange", and add that tuple:**

thistuple = ("apple", "banana", "cherry")  
y = ("orange",)  
thistuple += y  
print(thistuple)

**D. Remove Items**

**Q:Convert the tuple into a list, remove "apple", and convert it back into a tuple:**

thistuple = ("apple", "banana", "cherry")  
y = list(thistuple)  
y.remove("apple")  
thistuple = tuple(y)

**Q: The del keyword can delete the tuple completely:**

thistuple = ("apple", "banana", "cherry")  
del thistuple  
print(thistuple) #this will raise an error because the tuple no longer exists