PYTHON LIST

**A. Access List Items:**

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

thislist = ["apple", "banana", "cherry", "orange", "kiwi", "melon", "mango"]

print(thislist[2:5])

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

thislist = ["apple", "banana", "cherry", "orange", "kiwi", "melon", "mango"]

print(thislist[:4])

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

thislist = ["apple", "banana", "cherry", "orange", "kiwi", "melon", "mango"]

print(thislist[2:])

**B. Change List Items:**

**Q:Change the values "banana" and "cherry" with the values "blackcurrant" and "watermelon":**

thislist = ["apple", "banana", "cherry", "orange", "kiwi", "mango"]

thislist[1:3] = ["blackcurrant", "watermelon"]

print(thislist)

**Q:Change the second value by replacing it with two new values:**

thislist = ["apple", "banana", "cherry"]

thislist[1:2] = ["blackcurrant", "watermelon"]

print(thislist)

**Q:Change the second and third value by replacing it with one value:**

thislist = ["apple", "banana", "cherry"]

thislist[1:3] = ["watermelon"]

print(thislist)

**C. Add List Items:**

1.append("orange"), 2.insert(1, "orange"), 3.extend(orange)

**D. Remove List Items:**

1.remove("banana"), 2.pop(1), 3.del thislist[0], 4.clear()

**E. Sort Lists:**

1.sort(), 2.sort(reverse = True), 3.sort(key = str.lower),

**How to find unique elements in list python**

def unique(list1):

    unique\_list = []

    for x in list1:

        if x not in unique\_list:

            unique\_list.append(x)

    for x in unique\_list:

        print x,

list1 = [1, 2, 1, 1, 3, 4, 3, 3, 5]

unique(list1)

**Use collections and Counter**

from collections import Counter

def unique(list1):

    print(\*Counter(list1))

list1 = [1, 2, 1, 1, 3, 4, 3, 3, 5]

unique(list1)

**Use Dictionary and fromkeys**

list1 = [1, 2, 1, 1, 3, 4, 3, 3, 5]

unique\_list = list(dict.fromkeys(list1))

 print(unique\_list)