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#list

#creating an empty list list1=[]

#creating a list of numbers list2=[1,2,3,4,5]

#creating a list of strings list3=["apple","mango","orange"]

#accessing elements from the list print(list2[3]) print(list3[2])

4 orange

#adding elements to the list list2.append(6) list2.append(7) list3.append("kiwi") #using insert method list3.insert(2,"grapes")

#modifying the elements in the list list2[2]=9 list3[1]="banana"

#removing the elements from the list list3.remove("banana")

#printing print("Elements in the list2:",list2) print("Elements in the list3:",list3)

Elements in the list2: [1, 2, 9, 4, 5, 6, 7]

Elements in the list3: ['apple', 'grapes', 'orange', 'kiwi']

#dictionaries

#creating an empty dictionary dict={}

#creating a dictionary

dict1={1:"apple",2:"orange",3:"kiwi"}

#accesing elements print(dict1[2]) orange

#adding elements dict1[4]="grape" dict1[5]="mango"

#modifying elements dict1[1]="banana"

#removing the key value pair del dict1[2]

#printing print("Elements in the dict1:",dict1)

Elements in the dict1: {1: 'banana', 3: 'kiwi', 4: 'grape', 5: 'mango'}

#sets

#creating a set

set1={"apple","banana","orange"}

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#adding elemets set1.add("mango") set1.add("strawberry")

#removing elements set1.remove("banana") set1.discard("orange")

#modifying

#removing and add elements set1.remove("apple") set1.add("kiwi")

#printing print("Elements in the set:",set1)

Elements in the set: {'kiwi', 'mango', 'strawberry'}

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