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In []: TASK 3

In [166]: # 1. Write a Python program to sum all the items in a list.

list1=[1,11,2,22,3,33,4,44,5,55]
i=0
total=0
while iclan(list1):
total=total=list1[i]
i=1
print("sum of all items in the list is 180

In [32]: # 2 Write a Python program to get the Largest number from a list.

list=[1,2,4,6,7,8,9,9,10,12,32]
arlist=[0]
for i in list:
    if isa:
        a=i
    print("sum of all elements in the list:",a)

sum of all elements in the list: 32

In [58]: list=[2,2,2,4,3,5,6,5,76,87,98]
list.sort()
print("display of largest number:",list[-1])

display of largest number: 98
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In [65]: # 3 Write a Python program to count the number of strings from a given list of strings. The string length is 2 or more and the filist=["sort","clear","behind","bang","thor","enhance.,876"]

Out[65]: 6

In [108]: # 4 Write a Python program to remove duplicates from a list.

list1=[11,77,55,77,2,5,4,3,2,6,6]
    print("the list is: ", list1)
    result=[]
    for i in list1:
        if i not in result:
            result.append(i)
    print("The list after remove duplicates:", result)

the list is: [11, 77, 55, 77, 2, 5, 4, 3, 2, 6, 6]
The list after remove duplicates: [11, 77, 55, 2, 5, 4, 3, 6]

In [13]: # 5 Write a Python program to check if a list is empty or not.

thislist=["apple", "orange", 12,1.2, "c", "v", "cherry"]
    if thislist:
        print("list is not empty")

else:
    print("list is empty")

list is not empty
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In [27]: # 8 . Write a Python program to reverse a List at a specific location.

cars=["ford","BMW","volvo"]

cars.sort(reverse=True)
cars

Out[27]: ['volvo', 'ford', 'BMW']

In [38]: [1=[1,2,3,4,5]
[1]:::-1]

Out[38]: [4, 3, 2, 1]

In [44]: # 9. Write a Python program to check if a List is a palindrome or not. Return true otherwise false.

string=input(("Enter a string:"))
if(string==string[::-1]):
    print("Not a palindrome:",True)
else:
    print("Not a palindrome:",False)

Enter a string:madam
The string is a palindrome: True
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In [79]: 12. Write a Python script to check whether a given key already exists in a dictionary.
             mydict={"girls":10,"boys":15,"teachers":7}
if "boys" in mydict:
    print("yes")
 In [81]: mydict={"brand":"ford","model":"mustang","year":1964}
if "model" in mydict:
    print("yes")
              yes
 In [82]: # 13.Write a Python program to sum all the values in a dictionary.
             mydict={"girls":10,"boys":15,"teachers":7}
print(sum(mydict.values()))
              32
 In [83]: # 14.Write a Python program to create a dictionary with a number and its corresponding square from 1 to input number. And also cl
             num=int(input("input :" ))
{i:i**2 for i in range (1,num+1) if num<10}</pre>
              input :6
 Out[83]: {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36}
In [87]: num=int(input("Input a number "))
d = dict()
            for i in range(1,num+1):
    d[i]=i*i
            print(d)
            Input a number 10 {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100}
In [88]: # 15.Write a Python program to sort a given dictionary by key.
            mydict={"brand":"ford","model":"mustang","year":1964}
for i in sorted(mydict.keys()):
    print(i)
In [90]: # 16. Write a Python program to create a dictionary from a string.
           mystring="learnpython"
{i:mystring.count(i) for i in mystring}
 In [95]: str=input("enter a string: ")
    dic={}
    for i in str:
        if i in dic:
        dic[1]*=1
    else:
        dic[i]=1
    print(dic)
              enter a string: linitha {'l': 1, 'i': 2, 'n': 1, 't': 1, 'h': 1, 'a': 1}
In [103]: # 17. Write a Python program to get the top three items in a shop.
              my_dict = {'item1': 45.50, 'item2':35, 'item3': 41.30, 'item4':55, 'item5': 24} result = dict(sorted(my_dict.items(), key=lambda x: x[1], reverse=True)[:3]) print(result)
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{'item4': 55, 'item1': 45.5, 'item3': 41.3}