1. **l=[10,20,30,[40,50,60],70,[80,90,20]]. Convert this list as single dimensional list**

*l=[10,20,30,[40,50,60],70,[80,90,20]]*

*k=[]*

*for i in l:*

*if type(i)==list:*

*for j in i:*

*k.append(j)*

*else:*

*k.append(i)*

*print k*

1. **input: "Google" print count of each character**

*s="Google"*

*for i in s:*

*print i,s.count(i)*

1. **Convert n dimensional list to single dimensional list**

*l=[10, 20, 30, 40, 50, 60, 70, 80, 90, 20]*

*for i in l:*

*print [i],*

1. **l=[1,2,3] just make it as a string.**

*l=[1,2,3]*

*print str(l)*

1. **l=[1,2,3,[4,5,6],7,[8,9,10]] for single dimensional list**

*l=[1,2,3,[4,5,6],7,[8,9,10]]*

*k=[]*

*for i in l:*

*if type(i)==list:*

*for j in i:*

*k.append(j)*

*else:*

*k.append(i)*

*for i in k:*

*print [i],*

1. **l=['a','A','b','B','d','D','c','C'] WAP to find out case insensitive count and case insensitive search** for an element.

*l=['a','A','b','B','d','D','c','C']*

*n=0*

*for i in l:*

*if i.isupper():*

*n=n+1*

*print "Total upper letters in the sentance:%d"%n*

1. **l=['a','A','b','B','d','D','c','C'] sort the list properly**

*l=['a','A','b','B','d','D','c','C']*

*l.sort()*

*print l*

1. **find the start position of the largest block of repeated characters in a given string**
2. **WAP to find union and intersection of lists.**

**Intersection:**

*l=[78,2,3,4,56,7,76,8,5]*

*m=[3,4,7,34,89,23,5]*

*k=[]*

*for i in l:*

*for j in m:*

*if i==j:*

*k.append(i)*

*print k*

**Union:**

*l=[78,2,3,4,56,7,76,8,5]*

*m=[3,4,7,34,89,23,5]*

*k=[]*

*for i in l:*

*for j in m:*

*if i==j:*

*k.append(i)*

*for j in m:*

*l.append(j)*

*print "union of to list:",l*

*print "Intersection of to list:",k*

1. **input: fun(5) output: [1,2,3,4,3,2,1]**

def fun(a):

k=[]

n=1

while n<a:

k.append(n)

n=n+1

for i in k[::-1]:

if (i-1)!=0:

k.append(i-1)

print k

fun(5)

1. **input fun('abc') output: [[],][a],[b],[c],[a,b],[b,c],[c,a],[a,b,c]]**
2. **Remove duplicates from the list: a=[1,2,3,2,3,4,1,,3,4]**

*a=[1,20,3,20,3,4,1,3,4,8] ##this is program is not working could you please check the error*

*for i in a:*

*while a.count(i)>1:*

*a.remove(i)*

*print a*

1. **l=['1','2','3'] get the sum of the list**

*a=[1,2,3,10,33,2]*

*l=0*

*for i in a:*

*l=l+i*

*print l*

1. **l1=[1,2,3,4] l2=[5,6,7,8] sum of two lists**

*a=[1,2,3,10,33,2]*

*b=[3,4,5,6]*

*for i in b:*

*a.append(i)*

*l=0*

*for i in a:*

*l=l+i*

*print l*

1. **Find third max value of element in a list with soring and without sorting a list.**

*a=[1,2,3,10,33,58,2]*

*n=1*

*while n<3:*

*l=max(a)*

*a.remove(l)*

*n=n+1*

*print max(a)*

1. Input = ["1/1","1/2","1/3","1/4","2/5","2/6","2/8"] Output = [['1/1-4'], ['2/5-6'], ['2/8']]

Need your help

1. l=[1,2,3,5,7,8,9,10,11,12,13,20,22,23,24,25,26,27,20,21,22,4] output = [[1, 2, 3], [5], [7, 8, 9, 10, 11, 12, 13], [20], [22, 23, 24, 25, 26, 27], [20, 21, 22], [4]]

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