

```
l=['jagadeesh','deepak','kiran','venkat']
s=''
for i in l:
    s+=i
s1=''
l1=[]
for i in s:
    if i not in s1:
        s1+=i
        c=0
        for j in s:
            if i==j:
                c+=1
        l1.append(c)
l2={s1[i]:l1[i] for i in range(len(l1))}
print(l2)

{'j': 1, 'a': 5, 'g': 1, 'd': 2, 'e': 5, 's': 1, 'h': 1, 'p': 1, 'k': 3, 'i': 1, 'r': 1, 'n': 2, 'v': 1, 't': 1}
```

```
n1=[1,2,3,4,5]
for i in n1:
    for j in range(i):
        print(i,end=' ')
```

```
1 2 2 3 3 3 4 4 4 4 5 5 5 5 5
```

```
n1=[1,2,3,4,5]
n2=[i for i in n1 for j in range(i)]
print(n1,n2,sep='\n')
```

```
[1, 2, 3, 4, 5]
[1, 2, 2, 3, 3, 3, 4, 4, 4, 4, 5, 5, 5, 5, 5]
```

```
n1=[1,2,3,4,5]
n2=[[i for i in n1] for j in range(i)]
print(n1,n2,sep='\n')
```

```
[1, 2, 3, 4, 5]
[[1, 2, 3, 4, 5], [1, 2, 3, 4, 5], [1, 2, 3, 4, 5], [1, 2, 3, 4, 5], [1, 2, 3, 4, 5]]
```

```
n1=[1,2,3,4,5]
n2=[[i for j in range(i)] for i in n1]
print(n1,n2,sep='\n')
```

```
[1, 2, 3, 4, 5]
[[1], [2, 2], [3, 3, 3], [4, 4, 4, 4], [5, 5, 5, 5, 5]]
```

```
n1=[1,2,3,4,5]
n2=[i for j in range(i) for i in n1]
print(n1,n2,sep='\n')
```

```
[1, 2, 3, 4, 5]
[1, 2, 3, 4, 5, 1, 2, 3, 4, 5, 1, 2, 3, 4, 5, 1, 2, 3, 4, 5, 1, 2, 3, 4, 5]
```

```
l = []
l1 = []
for i in range(1,11):
    if i%2 == 0:
        l1.append(i)
    else:
        l.append(l1.copy())
        l1.clear()
        for i in range(1,11):
            if i%2 != 0:
                l1.append(i)
        else:
            l.append(l1)
print(l)
```

```
[[2, 4, 6, 8, 10], [1, 3, 5, 7, 9]]
```

```
n=24.45
s=float(str(n)[0:2][::-1]+'.'+str(n)[3:][::-1])
print(s,type(s))
```

```
42.54 <class 'float'>
```

```
def sort_l4():  
    new_l=[i[1] for i in l4]  
    new_l.sort()  
    return new_l  
l4=[('maths',60),('science',90),('english',50),('social',70)]  
new_l1=[[l4[j] for j in range(len(l4)) if i in l4[j]] for i in sort_l4()]  
print(new_l1)  
  
[[('english', 50)], [('maths', 60)], [('social', 70)], [('science', 90)]]
```



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