

interpreter

```
cpu_usage = abs(float(input("")))

if cpu_usage >= 90:
    print('critical !!!!!!! ')
elif 70 <= cpu_usage < 90:
    print('high :( ')
elif 50 <= cpu_usage < 70:
    print('medium :| ')
elif cpu_usage < 50: # else:
    print('normal :) ')
```

44

4n

64

3n

super sayan2

interpreter

```
cpu_usage = abs(float(input("")))

if cpu_usage >= 90:
    print('critical !!!!!!! ')
elif 70 <= cpu_usage:
    print('high :( ')
elif 50 <= cpu_usage :
    print('medium :| ')
else : # else:
    print('normal :) ')
```

44

4n

64

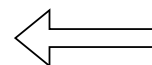
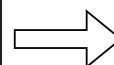
3n

super sayan3

```
cpu_usage = abs(float(input("")))

if cpu_usage <= 50:
    print('normal :) ')
elif 70 >= cpu_usage:
    print('high :( ')
elif 90 >= cpu_usage :
    print('medium :| ')
```

0 60 50 20 70 6 90 0-2



```

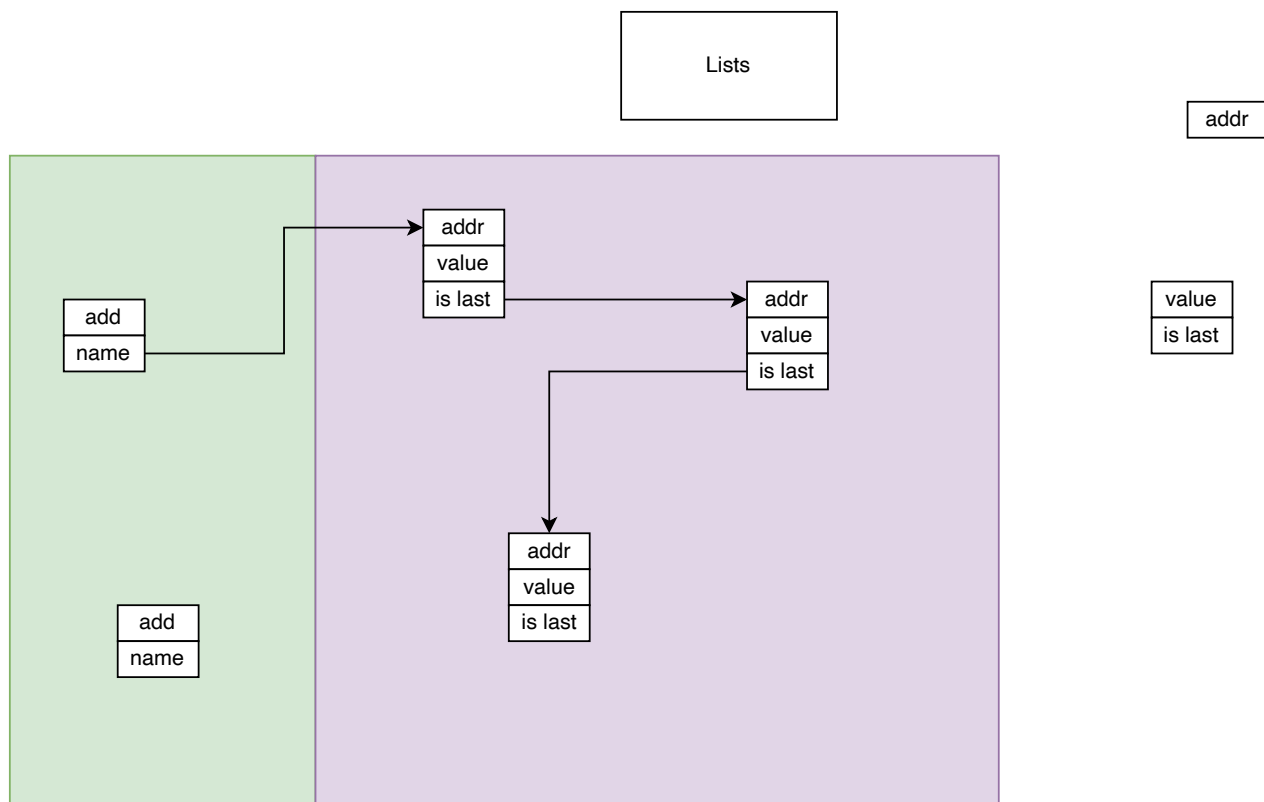
else : # else:
    print('critical !!!!!!! ')

```

```

cpu_usage = abs(float(input("")))
alert = ''
if cpu_usage <= 50:
    alert = 'normal'
elif 70 >= cpu_usage:
    alert = 'high '
elif 90 >= cpu_usage :
    alert = 'medium :'
else : # else:
    alert = 'critical !!!!!!! '
print(alert)

```



Lists

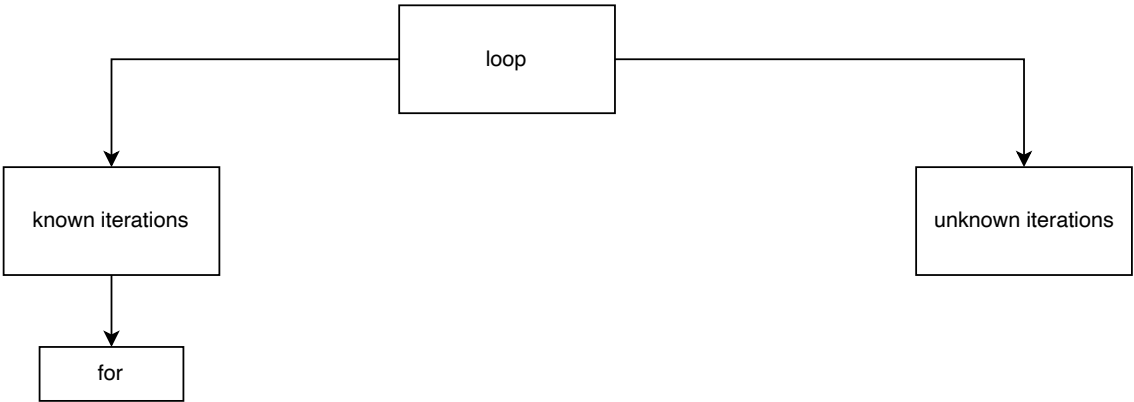
tuple

set

```
l = list()
l = []
l = [<str> ,<int> ,<float> , <bool> , <list> ]
number = [1 ,2 ,3 , 4 ,5 ]
dishes = ['pizza' , 'pasta' , 'khatshapori' ]
message = [ 41414 , 'kawabanga' , True]
```

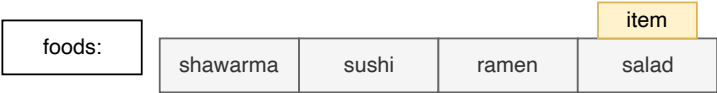
```
l = tuple()
l = ()
l = (<str> ,<int> ,<float> , <bool> , <list> )
number = (1 ,2 ,3 , 4 ,5 )
dishes = ('pizza' , 'pasta' , 'khatshapori' )
message = (41414 , 'kawabanga' , True)
```

```
l = set()
l = {}
l = {<str> ,<int> ,<float> , <bool> , <list> }
number = {1 ,2 ,3 , 4 ,5 }
dishes = {'pizza' , 'pasta' , 'khatshapori' }
message = {41414 , 'kawabanga' , True}
```



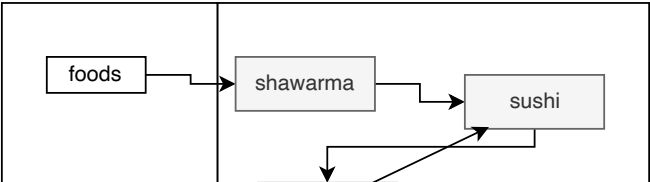
for each item in the collection do

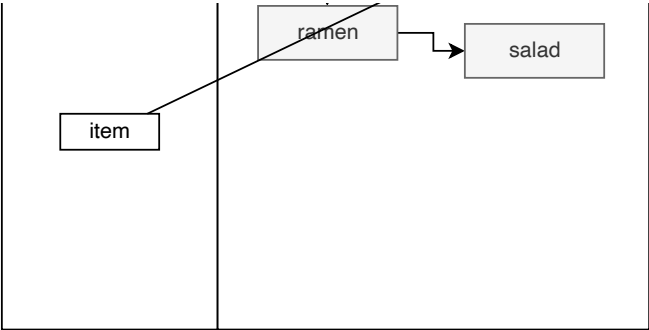
range	range(1,6)	5 iterations
list	[1,2,3,4,5]	5 iterations
tuple	('moo','joo','goo'	3 iterations
set	{1,2,3}	3 iterations
str	'labneh '	7 iterations



```
for item in foods :
    print(item)

# shawarma
# sushi
```





```
points = [(1, 2), (1, 3), (2, 5), (2, 6), (1, 1), (3, 4), (4, 4)]
print(points)
for i in range(len(points)):
    for j in range(0, len(points) - i - 1):
        print(points[j][1], '----', points[j+1][1])
```

i	j	len(point)	points[j][1]	points[j+1][1]	len(points)-i-1
		7			7-0-1=6
0	0		points[0][1] =2	points[1][1] =3	
	1		points[1][1] =3	points[2][1] =5	
	2				
	5		points[5][1] =4		