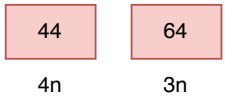
```
cpu_usage = abs(float(input("")))

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 :) ')
```

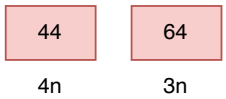
interpreter



super sayan2

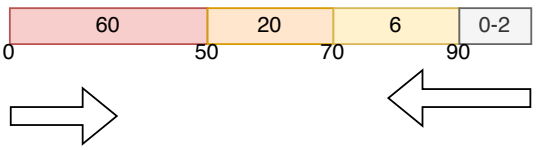
```
cpu_usage = abs(float(input("")))

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

interpreter



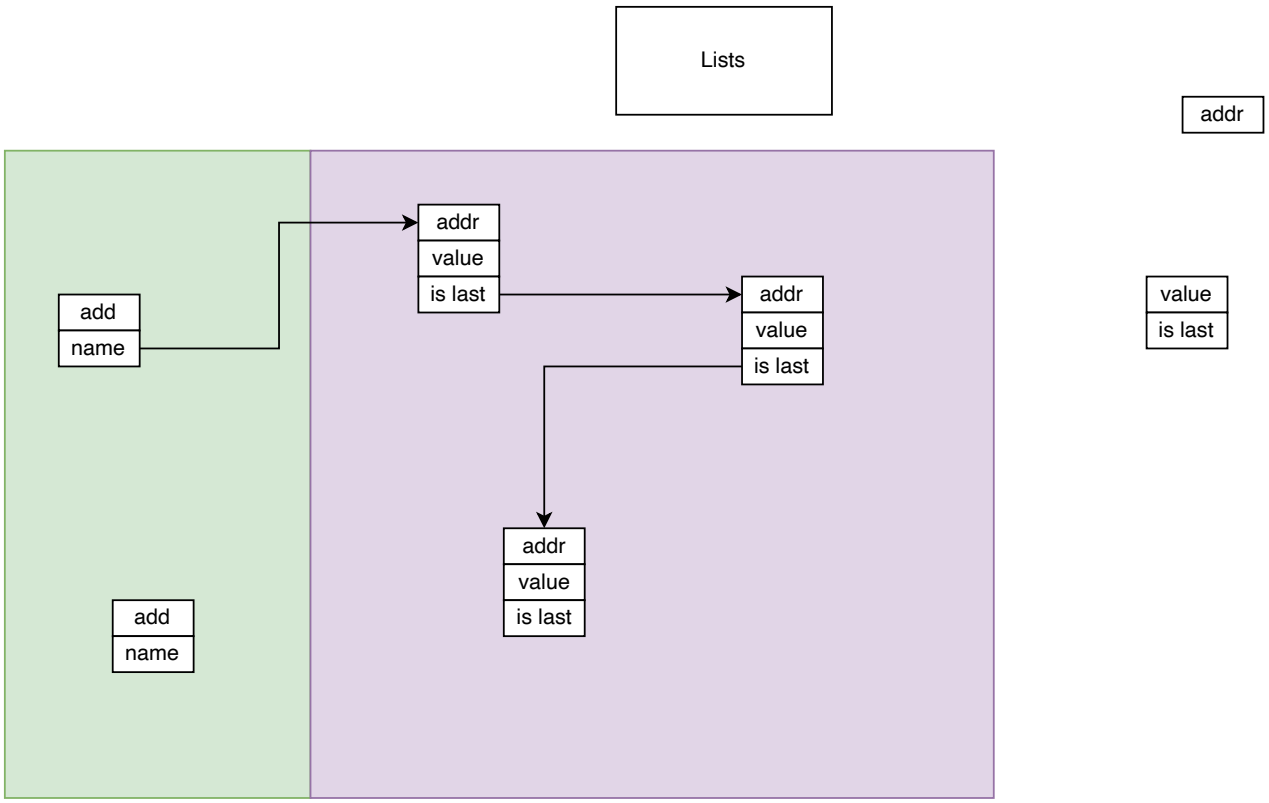
super sayan3

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

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



```
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}

loop

known iterations

for

for each item in the collection do

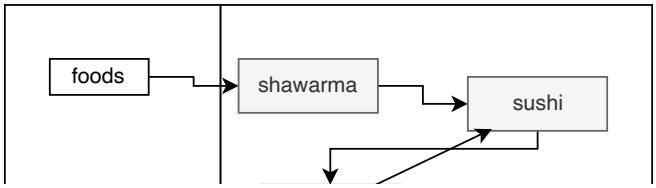
range	range(1,6)	5 iterations
list	[1,2,3,4,5]	5 iterations
tuple	('moo','joo','goo'	3 iterations
set	{1,2,3}	3 iterations
str	'labneh '	7 iterations

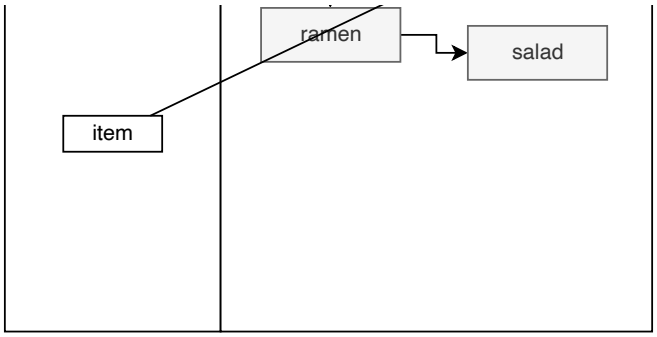
foods:

item

shawarma	sushi	ramen	salad

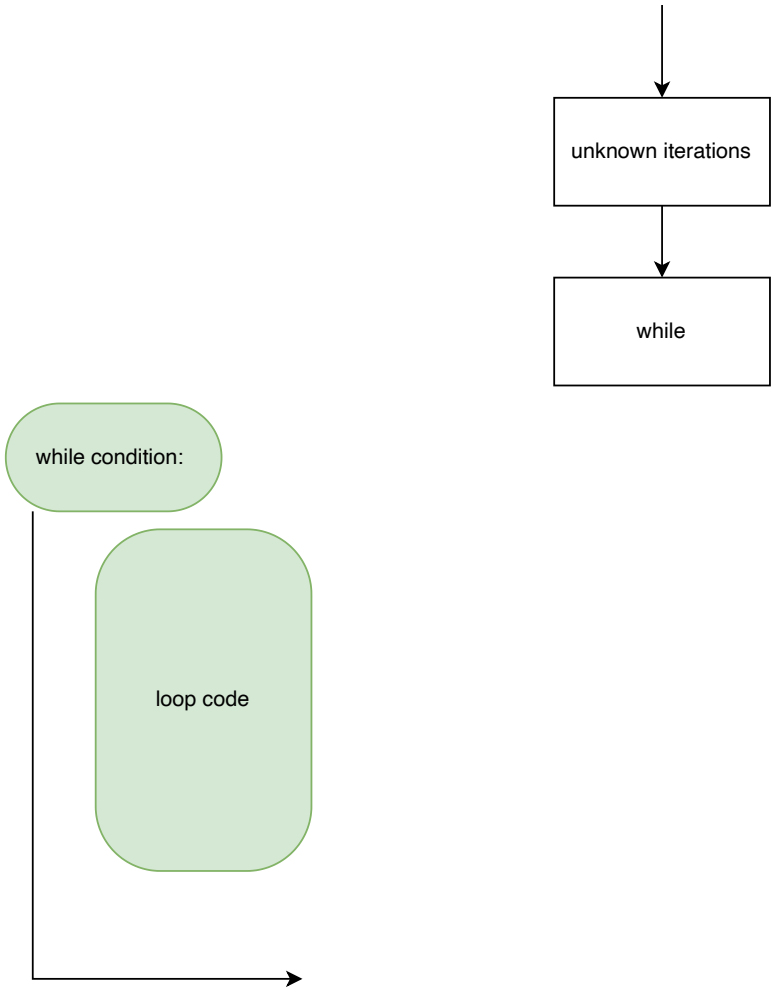
```
for item in foods :
    print(item)


# shawarma
# sushi
```



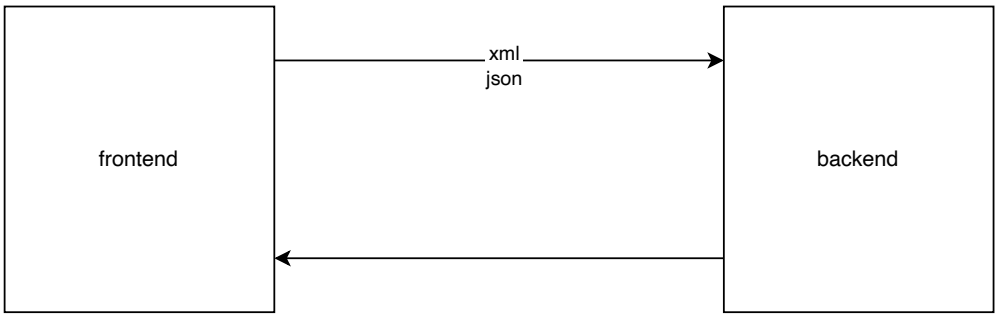


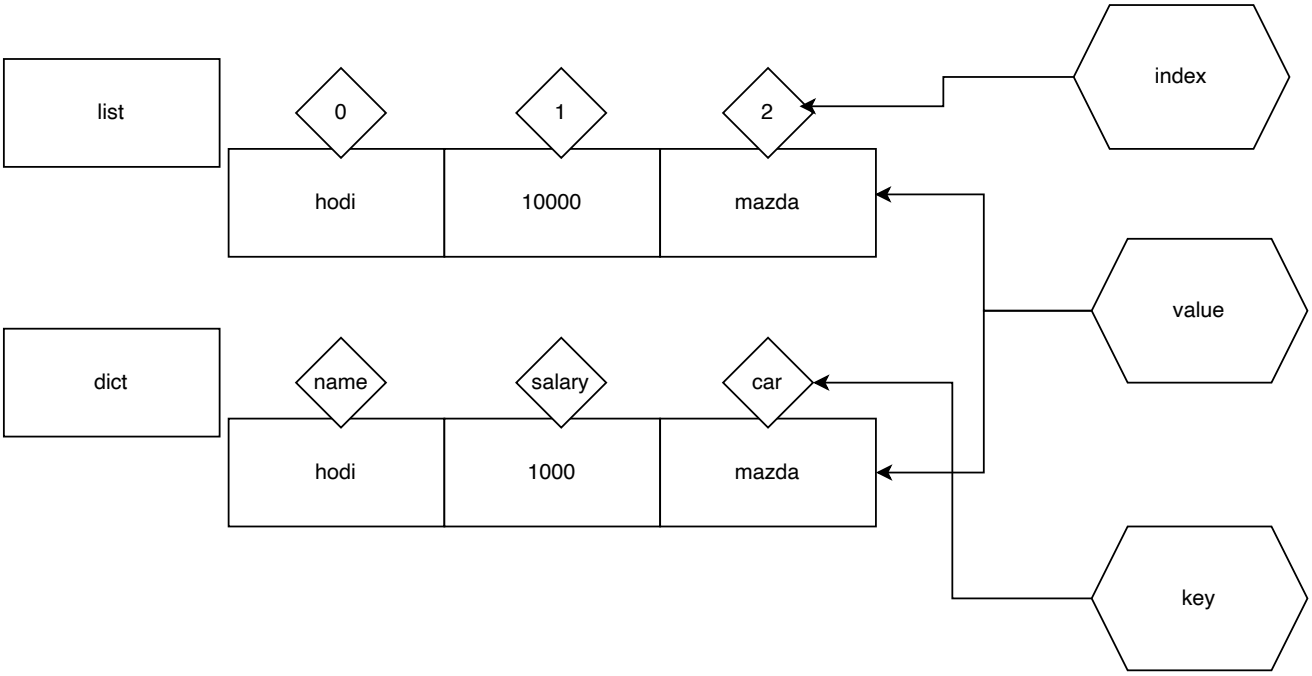

```
points = [(1, 2), (1, 3), (2, 5), (2, 6), (1, 1), (3, 4), (4, 4)]
print(points)
for i in range(len(points)):
    for j in range(0, len(points) - i - 1):
        print(points[j][1], '----', points[j+1][1])
```

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	points[6][1] =4	


unknown iterations
while
while condition:
loop code

dict


frontend
xml
json
backend


list
0
1
2
index
hodi
10000
mazda
value
dict
name
salary
car
hodi
1000
mazda
key