python

python basics

datatypes
- string
- numeric
  - float
  - int
- bool
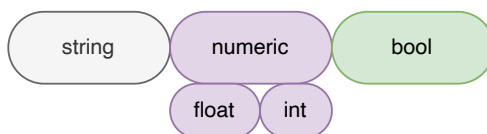
conditions if statments
- if
- elif
- short handed if

loops
- while loop
- for loop
- short hand for list comprehinstin
- do while

dict collections
- collections
  - list
  - tuple
  - set
- dict
  - key value

dict collections

python amdvanced 1

function
- functions type
- args
- xargs
- kwargs
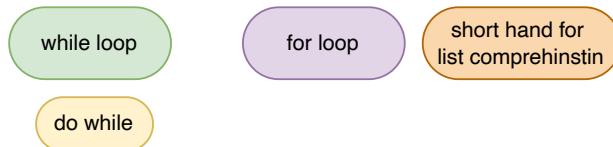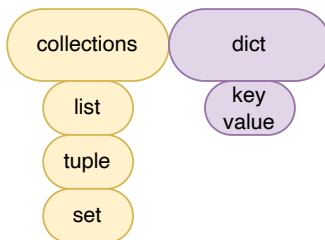
OOP
- classes
- objects
- methods
- interfaces
- polumorephism
- encapsulation
- inheritance
- DP
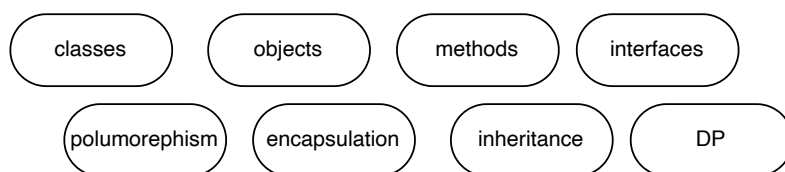
error handling

files 0/l

system
commands

system
commands

requests
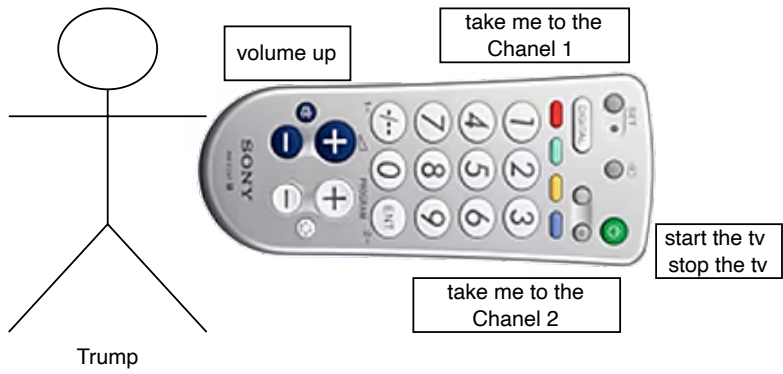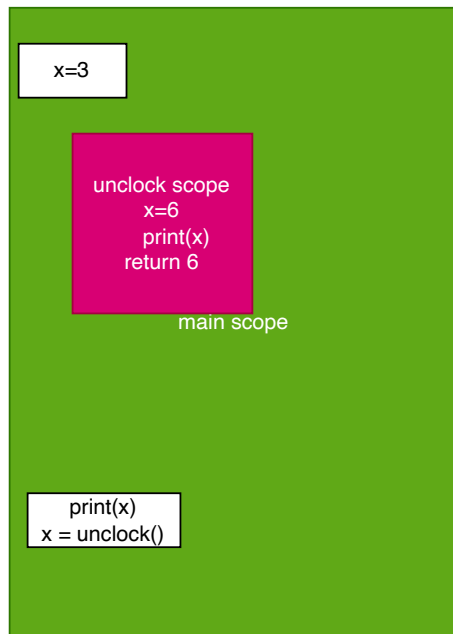
python web
development

restapi

flask

web design
front end

functions

volume up

take me to the
Chanel 1

take me to the
Chanel 2

start the tv
stop the tv

Trump

function

function

function

function

main scope

x=3

unclock scope
x=6
print(x)
return 6
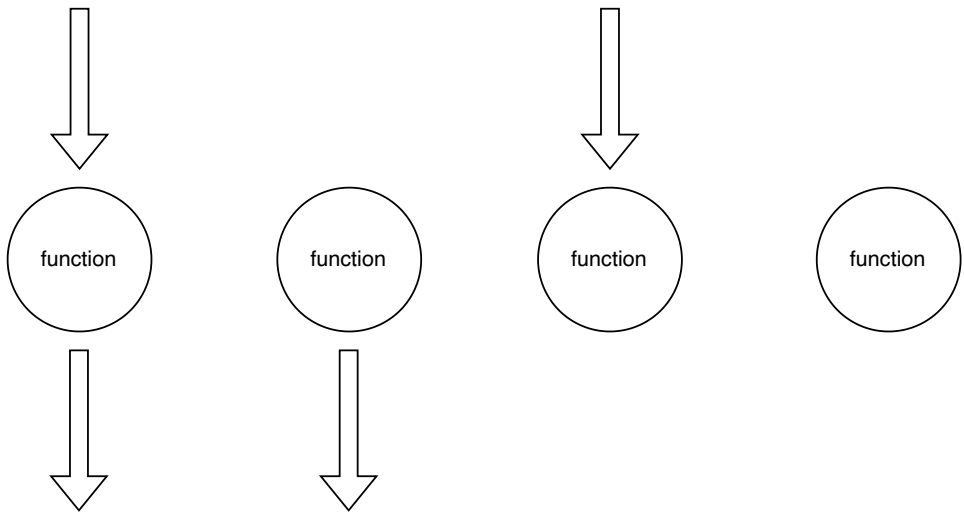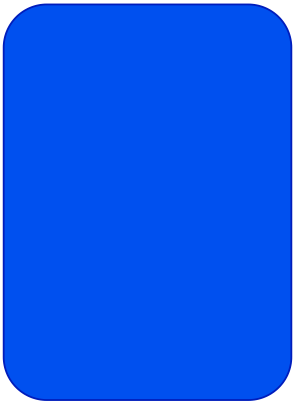
print(x)
x = unclock()

```
def unlock():
    locked = False
    print('unlock the car')
    return False
locked = unlock()
```

RAM

stack

unlock()
- locked
- number1
- number2

x

y

locked

heap

False

False

1

true

1

5

MEM   MEM   MEM
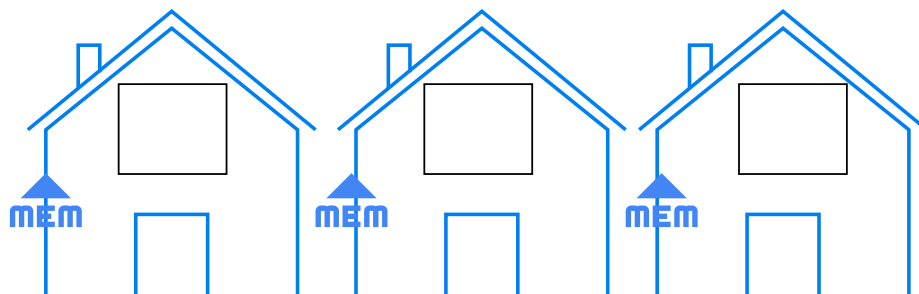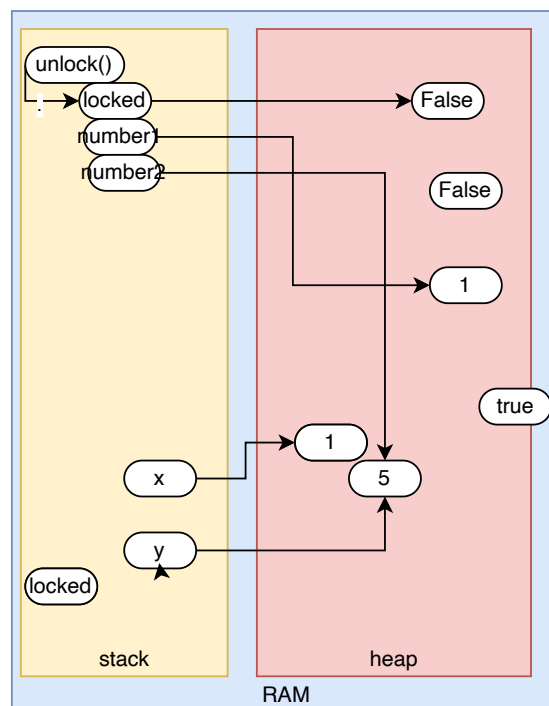
coding

create a function to ask the user for 2 numbers and print the sum of the numbers

take the same 2 numbers and return the multi of them

function

function

function

l1 =

| 1 | 2 | 3 | 4 | 5 | 6 |

x

y

z
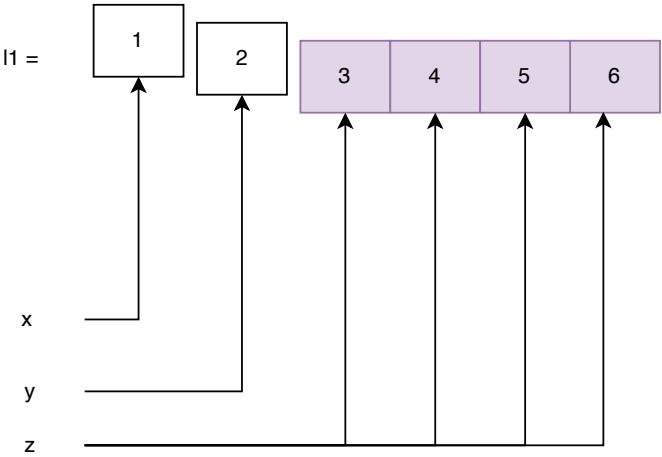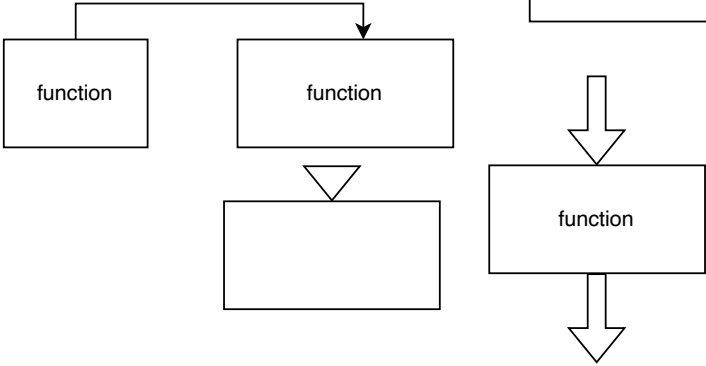
x,y,*z =l1	x,*y,z =l1
x= 1 y=2 z = [3,4,5,6]	x= 1 y= [2,3,4,5] z = 6