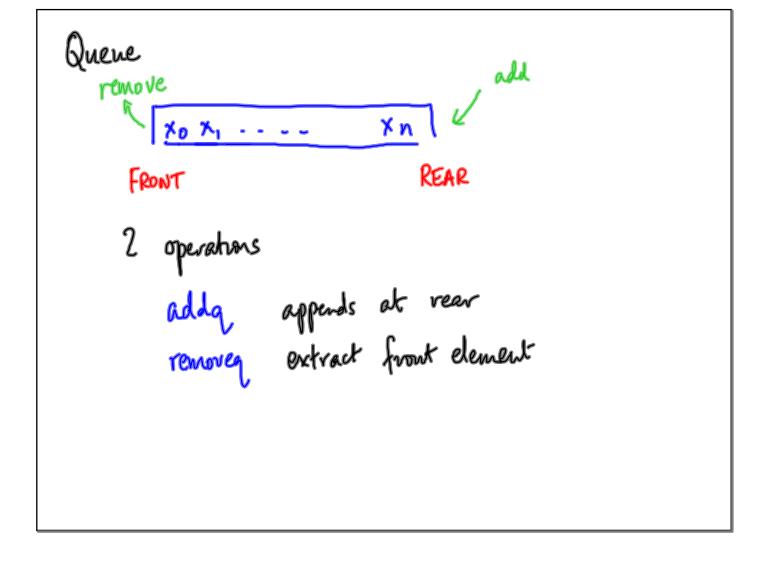
Object Oriented Programming Class Template data representation functions "interface" Instantiate Object

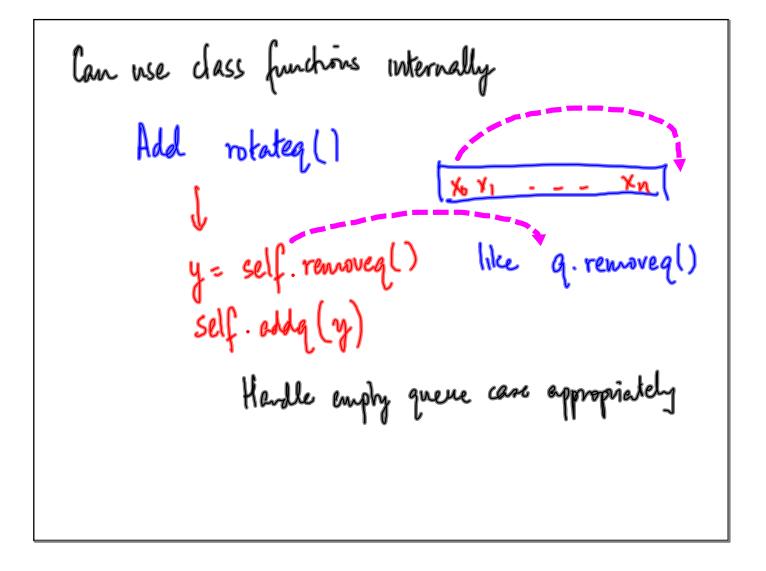


class Quene:  
def -\_init\_-(self, initlist=[]): 
$$q = Queue(f)$$
  
self queue = initlist  
def addq (self,  $x$ ):  $q \cdot addq(17)$   
(self queue). append ( $x$ )  
def removeq (self) :  $y = q \cdot removeq()$   
if len (self queue) > 0:  
 $z = self \cdot queue [0]$   
det (self queue [0])  
return(z)

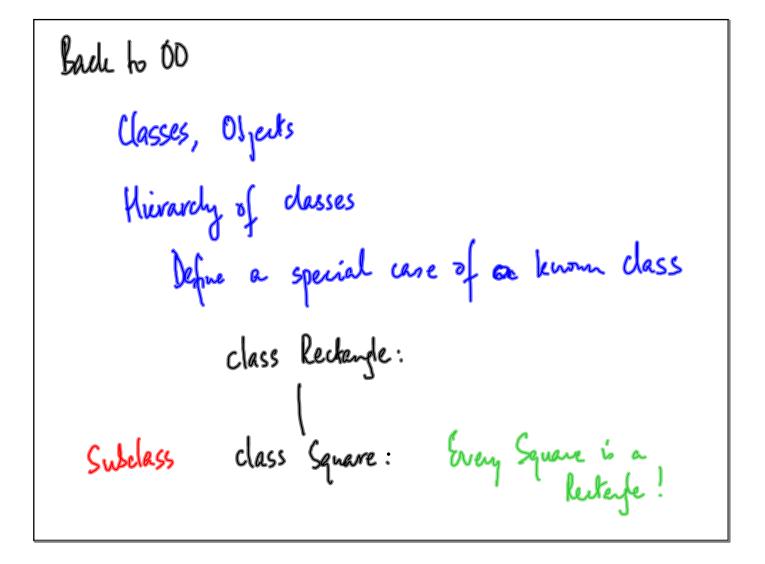
Examining the contents of an object  

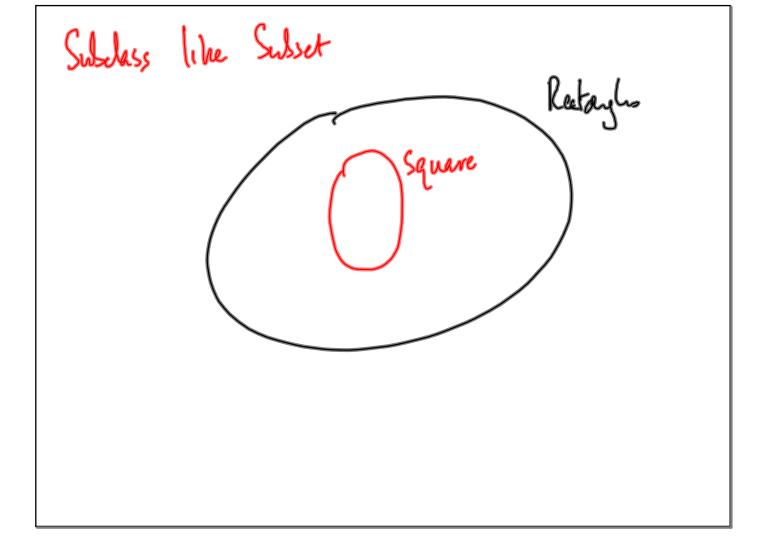
$$str(a) = - * string representation of a
Special function -- str-- which is
called when we use  $str()$  on an object  
 $def = -str--(self):$   
 $return (str(self.queue))$$$

lypically Data representation is private Interface functions are public lython has no way to specify this Everythy is public.

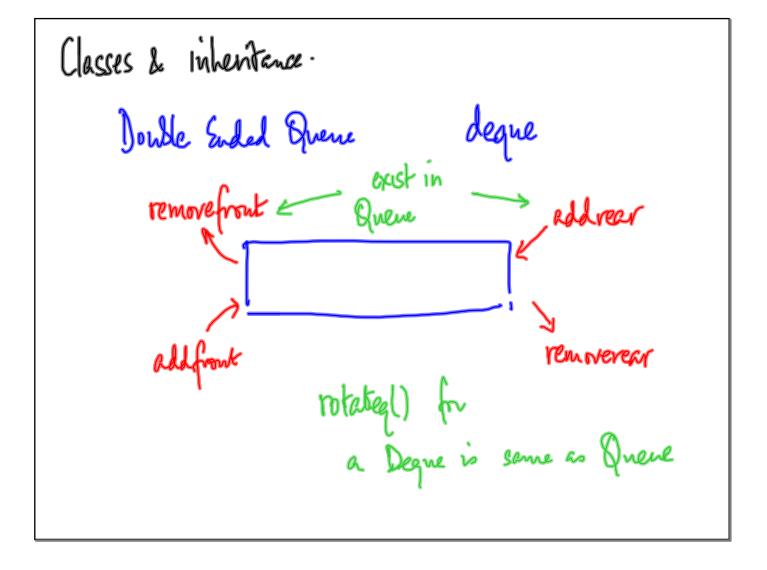


Taise Exception Neme ("message") generates an exception that can be caught & handled by a caller





In particular, all exceptions are objects that inherit from Exception class Mytixceptron (Exception): raise MyExcephen (message) try: except



TI.

Implicitly Deque. rotateq() = Queue.rotateq() by inheritance