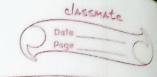


	Page
-	Ch 10: Object Oriented Programming
the same and the same and the same and	Object oriented programming focuses on the reusabilit
-	Class
The second name of the second na	A class is a bluebrint or a layout for creating objects. We use classes eg-set ()
	Object
	An object is an occurrence of a class
	S = set()
_	object alout
	object class
	Object of any class uses the methods of that class all attributes and methods will be used of the class in the object.
	Syntax
	class Sample:
	#Functions /variables
-	
No. of Concession, named in concession,	A++ · 1 +
Contract of the last	Attribute
	dass BoatTail:
The same of the same of	price = "\$ 28M" → an attribute of this class
	company = "Rolls RAUCO"

elon = BoatTail() - New instance of the class.



elon.owner = "elon Musk" -> New attribute of this

elon-price = "\$ 30M" -> price attribute replaced

print (elon. price) -> "\$30M"

BoatTail.carColour = "Black" -> New attribute of class print (clon.carColour) -> Black

\* This attribute will be assigned to all new objects created.

'self' parameter

self is a parameter passed into the function of a class.

class Boat Tail:

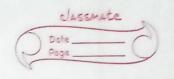
price = "\$28M" company = "RR"

def cartesting (self):
return "car is tested"

elon = Boat Tail () hrint (elon car Testing ()) → "(ar is tested"

\* If we didn't use the self, it would produce an error saying an unknown parameter is given.

self is the object on which the function will be used.



def receipt (self):

return f" Thank you Mr. Eself. owner 3 for buying the

car. \n It costs Eself. price 3"

\* Here, self price means elon price and self-owner is elon-owner

point (elon · \_ - dict - -) → Returns all the attributes with values.

-- init -- constructor

-- init\_-() is a special function used in classes

class BoatTail:

def -- init -- (self, price, owner):

self. amount = price

self. name = owner

print (f"Price is & self-amount}\n The owner is {self-name}

elon = Boat Tail ("\$30M", "Elon Musk")

→ self = elon → price = "\$30M" → owner=" Elon Musk"

	Date Page
	Static Function
-	when we don't want any parameter in a function of classes, we use static method.
, ·	classes, we use static method.
	estaticmethod → decorator  def greet():  print ("Happy birthday")
- <u>*</u>	We need not have to use self here. We can add other parameters just as we do normally and work on them.
	normally and work on them.
	ifname = = "main"
	name is a special variable that is set to "- main_" by default. It represents the module name.
	by default. It represents the module never .
,	If we use this condition and write some code, it will be ran only if the same code is ran from
	command line. If this module is imported into other code, the code under this srippet won't be
-	executed.
	global klyword
	global keyword is used to modify variable outside current level.
	current level.