Weele 03 Phythan Programing Rudermentals Conditions and Branchine $\alpha = 6$ a !=6 "At" == "MJ" : False it age>18: print ("you can enter")
print (more on") Et age>18:

print ("you can enter")

else:

print ("go see to next") print "(more on")

it age>18: print ("you can enter") elif (age ==18):

print (" go see Pinle Play!")

else:

print (" go see to next") print" (more on") Logic Operalors nat (Tran) : False vol (Falge) & Trave. Tran or Tran 's Tran Trou or False & Trou. Folge on Fol : False Tren out Trun & Tran Tran and Pals: False Foly and Polye & False. it (a>20) and (b>10) print (~) prive (m)

	Loeps
	range (3): [0,1,2]
	Vouje (10,15) : [10,11,12,13,14]
	0
	For levy
	Squares = Trad", "gellow", "grew", "purple", "Slu"
2×6	for 2 in range (0,5)?
	Equaves [2] = "white"
	The section of the state of the
	This replan value in Squares to white.
lep 2	for s in Squares :
~72	· 2 10 (3 proc(25 8
	5
	Tus prints all colors in Squaree?
	1003 111003
er 3	for x in [A, B,"c"]:
	print (n+A)
	Output AA
	BA
	CA

	Squares _ [red", yellow", green"]
	or 2, Square in enumerate (Squares):
J	or 2, Square in en unerate (Squares):
	Contract of
	Square 2
	L
	gives "red"
	0
	Jellow
	"green"
	for 2,x in enumerable ([A', B', C']) ?
	print(2,n)
	gives OA
	1 B

While loop Squars = Coraje, oraje, purple, oraje, slui Newsquare = [] + empty List 2 20 While (Square[2] == 'oraye'): New sgam. append (squares [i]) ミニシャ

Functions input >1 -> oulput lan -> gives the layth len(X) Sulm -> add values Sun(n) Sorted -> Sort List Sorted (n) n. Sortt) Making function. det addi(a): b = attreturn 6 add1 (5) : 6 add (10): 11 det addi(a): 11 11 11 Socientation b=att return b

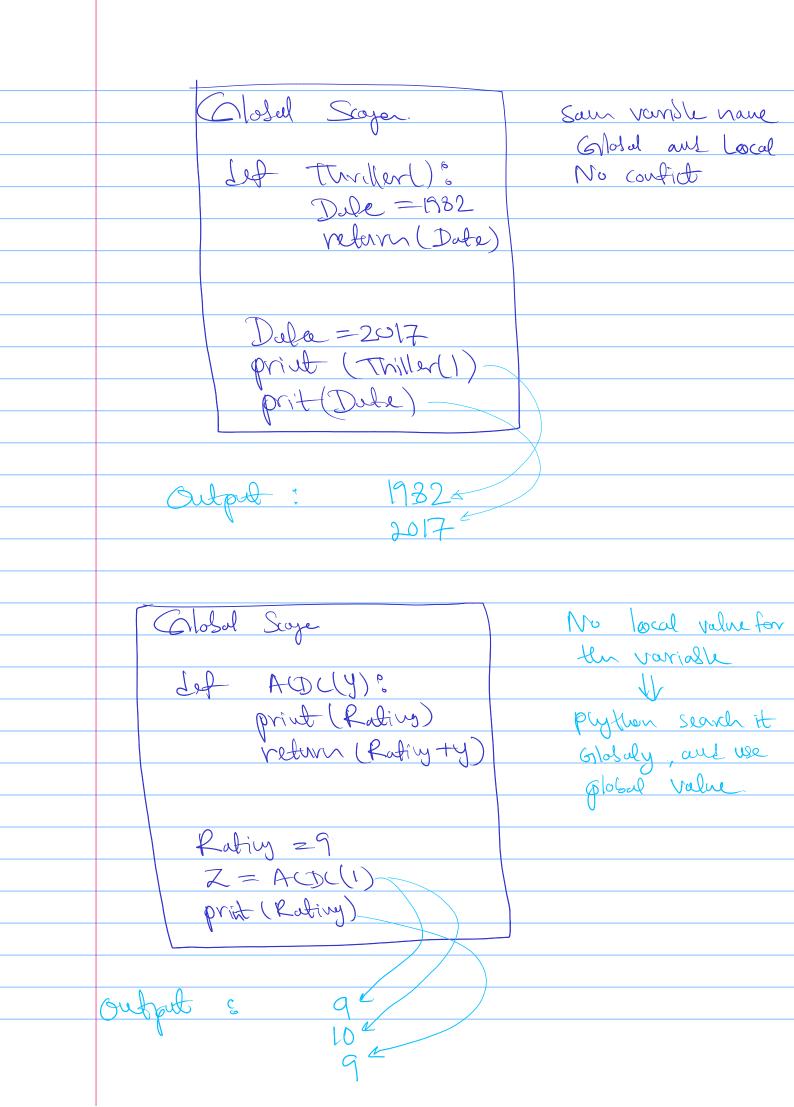
help(ald1): ald 1 to a

Let Mult (a, s): C = 0 = 6 return C Mult(2,3): 6 Mult(2,MJ): MJMJ Let MJ():

print ('Michael Jaelson') MJ: Michael Jacken. Let Noworlel:
pass a nothing happens print (Noworker) :

Faultous de mone thun our task
Let add (a):
62at1
print (a, "plus 1 equals", b)
return L
C 1\ 0 \
Collecting arguments
why?
Let Artist Name (**names):
299 FN 1180 N ams (V 10001) S
for name in names .
print (name)
· ·
rason for * we can call this fr
Artist Names ("Michael Jaebon", "Dulita") or Artist Names ("Moulul Juny", "Dulith", "Madavi")
or Artist Name ("Mould Juny", "Dulith," "Maduri")

Stope : part of the program where that voriable are accesible. Global Sapa Let Add DC (n) n=n+Dc' priut (n) retern(n). >2 "Ae" Colosal pariable 2 = AddD(m) Colosal Scope Let Thriller) Dufe = 1982 & - local reterm. Date Thriller() Dute



Alobal Scope det Piul-Ployd ():

global Claimed Salas

Claimed Salas = 45 male it Vetur Chimesales. Pinh Ployd ()
print (Claimd Sola)

```
a = 1
try:
   b = int(input("Please enter a number to divide a"))
   a = a/b
except ZeroDivisionError:
   print("The number you provided cant divide 1 because it is 0")
except ValueError:
   print("You did not provide a number")
except:
   print("Something went wrong")
   print("success a="_a)
finally:
   print("Processing Complete")
Please enter a number to divide a dulitha
You did not provide a number
Processing Complete
```

Objects and Classes phythan dala types zut float Dictionary Each is an Object Every O'Sjut has following internal dola representation methods type () Command -> gives the type.

Methols	
functions interact with objal	. .
ex: Sort / rever R = [10, 9, 6, R. Sort()	
Creale a class	
John advisules Melhals	
Tun create aljets or	instances of that dos
es Civile.	Closs Rectargle
Clar	width
eta atributes : radius, color	Dola Zwieth atributes Ledgut color

Build Circle Class

Create a class Circle Class parads (Syntam)
Create a class Circle Class parads (Synters)
Caux is
Constructor # Constructor # Constructor # Constructor
Syntax Suiting contain and prosenting asouth
Constructor Self pavament
<pre>definit(self, rad=3, col='blue'): self.radius = rad</pre>
solf color - col
parameters
Method . default
<pre>def add_radius(self, r):</pre>
self.radius = self.radius + r
return(self.radius)
(reading an object from our class
· · · · · · · · · · · · · · · · · · ·
nam of the closes
RedioCircle = (ircle (10, "red") mottle object outendar
RedloCircle (10, "red")
not the object contender
Color Cod Mar
abrioutes Petro Circle. radions: 10
· Color · "Vel"
ye atributos RedioCirah. color = "Slue"

```
# Create a class Circle
class Circle(object):
    # Constructor
    def init (self, rad=3, col='blue'):
        self.radius = rad
        self.color = col
    # Method
    def add_radius(self, r):
    self.radius = self.radius + r
        return(self.radius)
Calling Methods
        Red10 Circle. add_radious(2)
           Charge radius from 10 to 12
```

Lind Radio Circles o 4 Calonell
dir (Red10 (ircle): "color" "vodous" "add_vodous"
"add_volous"
"- class_" fort wary
J