		Camlin Page Date / /
	Installing pythen	
	lython + virual studio rode on a	undows/ mae
	rython shell.	7
10	command pythos will open in or moche Thin is known as pythos where console. This accepts pythos directly quick lerting. But the well you	eutwo shell.
1	rythos shell comed be saued.	
	by preising o bullos or	
15	python -3.9 Juli name py	2007
5	python 3 fulineme. py (bbuntus)	
	Python 3 ubunda linene merc	
00	n= 10 (1W) implied metho	de
2:	n= (0 (1W) implied methodors	1
c	ve can automatically create a living range	it of number
	l = 1, d (range (', 10)) . [1, 2. l = 1 ent (range (', 10, 2) spendy a argument	dep as 3rd
	[1,5,5.7,9]	

Al rebutes dis (test) shours methods (albebules des (- - bull . m -) shours function proportis help () duty - appeared () append as dyest to lest - clear the list dear co inden (). - shows the indeex pand (list name [1:4] poul indere 1-103 L:23 0 to 1 [3:] 3 to last intern [-1] pruls lend eiten pythos has sindering postine I regal print (indiane [- 4: 2] prints -4 -3 inde decenting & storing strings ngiting = 'hello! pint (mylling [i]) = ie! ononderg - ["hello", 1, 2, 3] print (mondery (03) : "hello" Print (mondey [0][:]] . Y. Pichonary heys and value. duhonery = { "nome": 10, "a": 10.2} point (dicherory value (1) point values

Prod (delionary [" Leg"]). touple there are no append or remove without douple - (....)
List - [....]
chilonery ; {.....} pythos is menty and for automation people and agent science eg: faciliste ares touple to 1, et. = = (1,2,3) = = [1,2,3] but be tought 222 dula . [1,2,3] >>> tuple (dete) = (1,2,3) sut de dulo rais >>> derta = [["nami", "john"], ["Junani", smalls] os diet (date) = { "neme": "John" "swnene": "smith"} des puetonem (perenders): Crealing rectan venable

I the functions doesnat have a red

conditional dedements

one cuted, we can are, and, or opered

onelitio: statement else condition: stalenent

det mean (value):

't type (value) - diel:

mean: sum (value values)/len (v reduces mans

monday-temp= [5, 6, 9,9,4,9,9) grades : { "meng" : a, "Anu" 9.2, "de" : 9.8}

punt nean (grades)

as of perfecular type

is instance (veille, dut)

	Date / /
	Usor Input
5	Jopel ("Enler a nembo") mu-input: float (input ("enle ano") becourse by alfault pythos ull amys sloing deles lype to the novelble
	String farmedling OSEN-input = Input (" Enler nem") menerge = "14ello i.s" i. uscon input print (menerge) or menerge = f" 14dlo & une-input?" formating toth multiple variable menerge = "Hello isi.s". (neme, surrane) menerge = "Hello inline" & someone?"
20	monday-temp = [9.4 8.2, 8.8] for lemperature is monday-lemp; print (round (Jemp))
25	Sudent-grades: ¿"margy": a. 1 "-tom": 9.7; (or grades in dudent-grades. interns (): print (grades) for grades in dudent-grades. keys () print
30	for grades is student grades values or man

0	idionary doops & string formatting.
•)	phone number = & "john": 1234, "nerry": 199
	for pair is phone-neubes tems ():
5	menage = " { 3 has ruber { 3 . form
144	pair (0), pair (1)
	prind (merenge)
	output: John has renteer 1234
10 2 2	neary her newles 1999
	phone rember : { "john ": 1234, " nerg";
	tor key, value 10 phone ruber!
	nerege = " ¿ 3 hes nuber & 3. join
	(koy, value)
- 15	print (merssage)
1	of example
•)	Wananie:
	while aremone! = "pypy"
	userne = input ("Euler werne
20 2)	while drue:
	vicinence = input (" Enter usen
-	, formance = = "pypy":
-	break
_	ehe:
	continue
3)	while detetine detentine now < dele
	derlection: (2021) 10. 8, 19, 30, 10)
	pomt (" uts not get 19; 20: 20 of 2021:
30	

Camlin Paqo

Ind comprehensuos intime for loop Jemps : [220, 214, 230, 250] rewlemp = [Tomp p/10 for long in lamps] from (new lemps) who of wordshord new lomp = [tem/10 for lump 10 lump ; lemp! = -agaa] with of the cordilloral new Jemp = [temp 10 if lemp ! = 9 a ag du · o for lemp in lemps] syntem is changed. is convert dement in tuple to compercane for indifinite angs det 400 (rangs). return sorted (args) 2) function with arbitrary number of regulary def near (+ + kwazys): retain kwangs print (meen (a = 1, 5= 2, (== 3)) det caboid-volume (a, b, c=10) relum axb*c) print (cabord value C 2, p = 3) argument nos regured

As object as created when are opening a tent full air regther nyfule = ones (fauls tost) print (ongbile read()) when the full as read the cer. onone to the end of the tent cont. so when are are printing the ful nothing as shows to overcome the have to same the file onglule = open (fronts tal) content = oneglile reades print (wonland) closing a file shows 2 time onyfule desers objedneme don with content manager pont (content) Offerent file disalong. with open ("files / families. Int) as my juli:
print (content)

Camlin Page

with open ("fils / regalables. +m", "~ komple:
anyfile unite ("tomato")
uf the full abreidy emid pythus will
overwords the file

open for recolned default

in open for uniting ovouring, truncating

ix create a new juli doesnot ovourite

ia open for uniting, appending at and,

ib binary mode

it lead mode default

it open a dute for updating (Y/W)

iv universal rewriter mode (deprealed)

appending trout to as already austing

fulc

auth opens ("ploffants trit" "a+") on milli

anywhe . would ("(noverngi)

anywhe . seeks) ((put cosos backe

content = mypul. reads of the beginning

prul content?

when the curli methode is called orange is apprended at lant and cersos is prestioned lent when point is called outhout seeks courses is at lent and doesn't point any times.

python doudoud librar modules welder in sight Builtins modules >>> import sys >>> sys bulling modul. case, time, import).... >>> import time >>> dis (Ime) (sleep, -- space-- allzone. pythos soptuare or into parter. eq: Time. sleep (seconds) standard python modeles of predifined functions are available as of theraries bundled with python destubilion There functions are in bullin modules . They and integrated with pythoo They also contains modules writers in pythos provide sandardised solutions some of them h le encourage the purability of pythos Eg: 05 module => impent os >> dis (01) impart time while true: if 05 paths enists (" Julis / vegetables . In): wills open ("Tiles/vegelables -til) or prin (ful ready) +.m. sleepe) (bul doconal could)

f= lamda a,b: a+b result = f(3,6) (thurson) turns adde - little clanda .. 122 = 0, 100 Jums = [3, 2, 6, 1, 1, 6, 2, 9] double Dewrators. div (9,5): prud(a15) smarkd.v (fune): at inno (Baip); 16 (a < b) 9,500

return june (9,6) dive must dividius Object oriented programming def compage soll): print (" 13 gb, 695 rams") consicomputecj of revent dens to chief dens B(A): out feature (self)

div (2,4)

dens conjutes:

competer ()

won 1. conjug

coms. conjug

Inhertence

when the combineties are called the putton multiple for and in chief clas from whether is a called if not found calls the int methode for of parent class called we can call posend clan combuntor using supercs. resolution order es 10/1 to right June call c then A then p. Polymorphisms
abultly to lake multiple forms -> multiode ovuloading - 1 medhode over meling -s operator overdocating Dock typing.

Nyramic typing where the type
of object us not her important than nother