

3	Distriction of the second of t
	Rules:
	La nace
2	Mame assegnments would create or change local names by default
	local names by default
	9 1
(g)	four scopes,
	Jocal
	enclosing functions
>	doubt en global
-	g tust leust
	leult en
	and and considered
- O	Names declared in global & non-local
-3/	statements map assigned names to enclosing
	module & function scope.
	mualle 4 Junioren sage
	LEGB Rule
	LEGIS Auce : Charge lab
	1: Local- Names cussigned en any way within a function (def or lambda).  I not declared global in function
	Effen a function (det or lambda).
	& not declared alphal on function
	g you about y
7,	Filmola ena funan Ingaila - Dames en the
	E: Enclosing func" locals - Vamus in the local scope of any & all enclosing functions (lef or lambda) from inner to
	Cinetion ( God or lambeda) from Ginner to
	auter.
	seucs.
	G. A. Anhal Company - Mamon and Pained and the
	to and of a model of sele or deland
	G: ylobal (module) - Names assigned at the top level of a module file, or declared global in a def within a file
	guida mi a aug willon a fre
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	B: Bull-an - Names preassagned on the
	levelt-en names-module: open sange
	Auntan Error
charge	Delland responsely excell made as
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	E-q.8.
	The of the second of the secon
96:	Locals
	- CONTRACTOR STANDARD
$g_n$	: f = lambda n: x **2
	That there is
	in height on a
	Enclosing tuno locals
real	Enclosing functionals
color	They coccurs an nested function
	made to the the terror than allow.
gn:	name= global'
	11 F 17-12 Rule
6	def greet ():
5275.11	# Enclosing func"
Comba	va fak more a gode
Promis	name= 'sam'
	Tomas John House
101	a colode hallo () sal (constant as a second
1120	def hello():  prent (! Hello! + name)
A 100	in and labour the same
	hello()
* 1	report Class
	The state of the s
0/0:	Hello Sammy
7 1	HAND SARWING
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	el la
	Global
	U C I C
$g_n$	chosent (name)
0/0.	
ap.	global
	Butt-en
	These are built-en function mames in Pythen
	Count overwerte).
	2 E 451 50
gn:	lin
-0/	The Diver some that is noted that water ad
-4/P	< function len>
-	Jedy Priming in west from him hard and
	20001 100000 11
-	docal Variables
	9,9han and declare and later a all
1	When you declare variables ensede a fernor,
	they aren't related in any way to other variables with the same name & certified
	the function the variable names are local
	TO TOUR TIME STORY OF THE STORY
L. A.	cof the variable. All variables have the une
	of the variable all variables have the scope of the delock they are declared in starting
	from the point of definition of the name.

n = 50 def func(n): prent('n es', n)point ( changed local x to , x) feinc (a)
prent ('n es stell', x') Changed Jeral n to 2

2 92 stfll 50 The first time that we point the value of the name a 3 with the first were on the functions lody, Python uses the value of the parameter declared on the marn block, alrowe the feeren Next use assegn the value 2 to x. The name x Is local to our fernon. So, when we change the value of x gn the funct, the x defened in the macn block sumains unaffected. With the last point it; we display the value of x as defened on the man belock, thereley Long Erming that for It so retually unaffected by the Rocal assegnment withen the power called

The global statement If you want to assegn a value to a name defened at the top level of the program (i.e. not Enside iony scope such ias functions or classes), then you have to tell Python that the name of not locale but It is global- we do this using the global estatement. 9t & Empossible ito cassign o value to a variable defened outside a function without the global statement. You can use that the values of such variables defend outside the func (assuming there is no variable with. However, they sy not encouraged & should lee avoided sence It becomes unclear to the neader of the pregram as to where that variables def ? Es. def func (): func ():

global x

pulnt ('Thes function is now using the

global x (')

howart (Because of global x &: ', x)

x = 2

prend ('Ran func (), changed global x to',

x)

hount (Before calling func (), x &; ', x) prent ('Value of a Coutsede of func ()) 45: P: Before calling func(), x &: 50 The function is now using the global x). Because of global x &: 50 Ran func (), changed global a to 2. Value of a Coutside of func ()) \$5.02 We have been and the second