	Date:Page
~-	Types of furctions on Python
2	Is Built in functions -> Already present the Pythone 2s user defined functions -> Defined by the user.
	Examples of built in function includes len (), puint (), range () etc.
_	metandion we the function we defined
	Es an example of User defined functions
_	C lease with againments
$\rightarrow$	Functions with auguments
-	A function can accept some values it can work wit
	We can but these values on the pareentheses. A
	function (an also return values as shown belo
	The transfer of the state of th
-	def gereat (name):
	ger = "Hello" + name
	return of
`	shayan is passed to great in i
-	a = queet ("shayan")
	1 → a well nœw Contain "Hello shay
	Default Parameter Value
	200 C C C C C C C C C C C C C C C C C C
	ne can have a value as default augument en a functions
	If we specify name = "stranger" in the line
	Germonting Containing det, this value is used when
	no augument (6 passed

1	Exam	h	10	0
tor	exam	المرا	-	2
OF THE PERSON NAMED IN COLUMN	NAME OF TAXABLE PARTY.			

def gever (name = "6 tranger")

## function body

greet ("Howy") - Name well be "Havey" in function body (default)

Recursion

Recuession is a function which cally itself . It is used to directly use a mathematical formula as a function. For Example:

factoral(m) = mx (m-1);

This function (an be defined as follows:

det factorial (n):

if l==0 or l==1: → Base Cordition which doesn't setwent all the function any further

Elge:

return of \* (on +) ] -> Function calling itself.

This works as follows: factorial (3)

->[turction called]

[3 x factorial(2)]

3x[2x factorial(1)]

3 x 2 x [1] [ Function weterned

Regrammer need to be extremely careful while working with receivesion to engure that the function doesn't infinitely keep calling itself. Recursion is sometimes most direct way to code an algorithm.