my-val (collection)

· Pseudocode is a relaxed format of code for human-only readibility. example to the mile to (1) to the For a furtion that determines which runber in a collection has the greatest value. - Given a collection of numbers. by-one

-> save the first value as the starting rathe Bendocode -> for each iteration, compare the current value with the starting value - if the current number is greater - reassign the starting value as the current - otherise, if the wrent value is maker or equal - none to the next value in the collection Note: I mited to mite this out in code. collection = [1,2,100,2,5,3,-5,4,1] def my-val(collection):

saved_val = collection[0] for num in collection: if num > saved val: saved_val = num else: remark. continue compant (sand val)

- · Two layers to solving any problem:
 - O The logical domain layer
 - 3 The syntactical programming language larger.

Formal Pseudocode ()

· Keymands to assist writing Prevedocode		
	KEYWORD	Meaning
	START	start of the program
	SET	setting a variable
	GET	get user mout
3.33	PRINT	display atout to wer
	READ	retrieve a volve from a varieble
	IF ELSE IF ELSE	
	WHILE	show looking logic
	END	end of the program.

example

START

Given a collection of Hegers called "numbers"

SET iterator = 1

SET saved Number = values within numbers collection at space 1.

WHILE Herator <= length of numbers

SET correct Number = value within numbers collection at space iterator

1F concretionaber > saved Number

saved Number = current Number

iterator = iterator + 1

PRINT savedNumber

Translating Pseudocode to Program Code . start iterator at make O as hist indexing in Puthan starts at 0. spanning manager 2 30 and all with . itemtor the less than (2) rather than <= as you mant the loop to stop once the elevent at the last idex has been accessed. len(numbers) is I greater them
the last index

def find-greatest (numbers)! iterator =0 editate = 1-1+25: saved_numbers [iterator]

while iterator < len(numbers) tee point observe current_number = numbers [iterator] if current_number > saved_number swed number = current_number iterator += 1 return saved musber RAMEMBER: Pseudocode is a guers at the solution; there is no serffication that the logic is correct reed to program it to cerify the legic. · For more complex problems, commat Prendocade the problem as likely to make a mistake and it'll take a long the to arrive at 'ful' correct logic. HINT: WE FLOWERARTS (Lee next Assymment) Topinal State of Mills