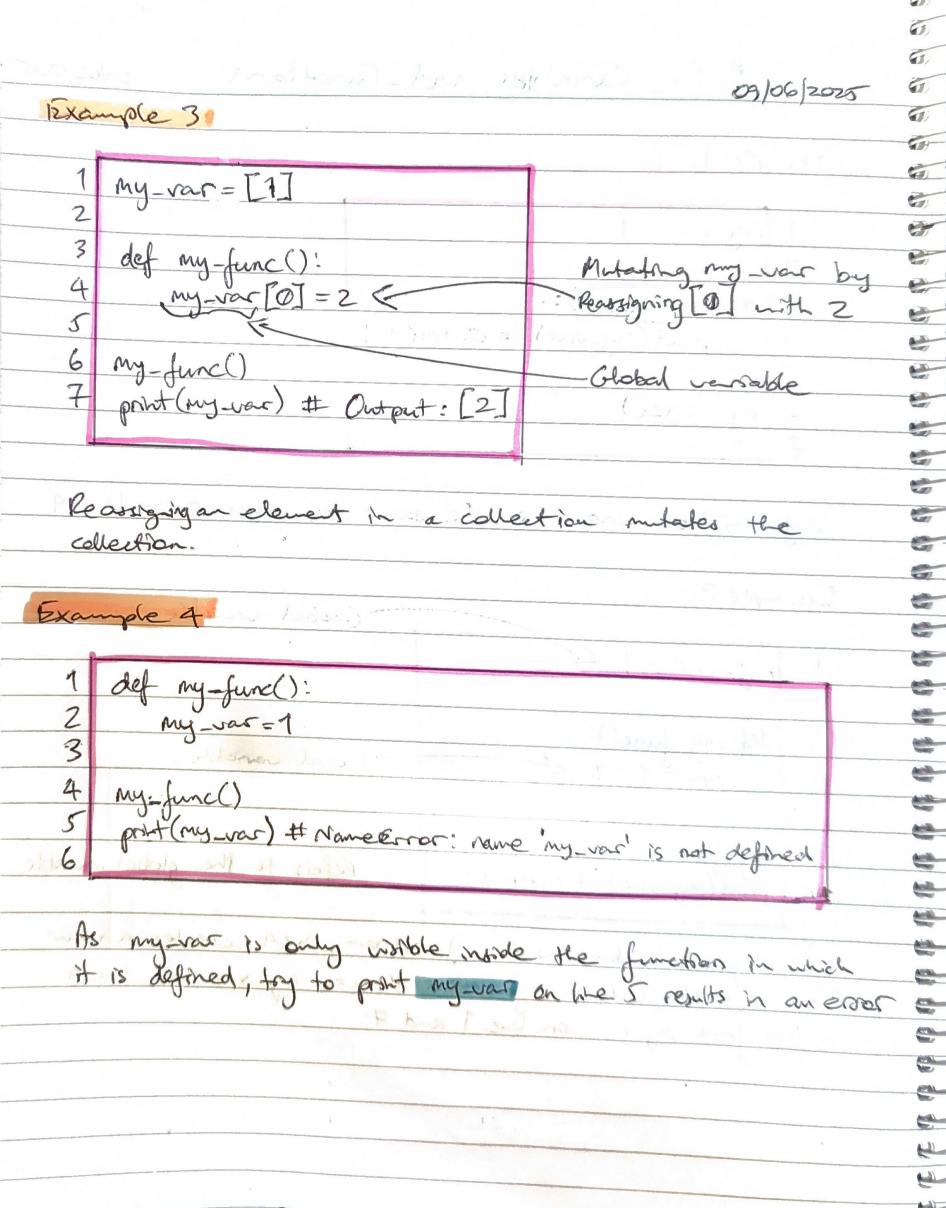
#23_Variables_and-Functions 05/06/2025 my-func() on like 1 is the same as my-var on like 4 6 my-func() 7 print (my-var) # output: 1 Refers to the global variable Assigning a variable inside afunction, line 4, creates a new local variable with the function. Hence, my-var on like 4 differs from my-var on he 1 and 7.

9

3

7

n



Example 5

1	my vour = [1]
2	V
3	det my func (my vor):
4	def my-func (my-var): my-var, append (2)
5	
6	my func (my war)
7	my-func(my-var) print(my-var) # output: [1, 2]
	Prior C D

the variable on lines 3 and 4 is a different variable to
the variable on lines 1,6 and 7. Although they do
point to the global my vac = [1], therefore, expressed mutates
the object assigned to my vac on line 1.

Example 6

global my vas on line of compress to reference the angular

09/06/2025 Example 7 my_rar = "Hello" my-vor on line 4 is the same on the 4, hence it accesses the global pront (my war) # Output: "Hello" code on the 6 does not capture the return of line 4. Therefore, my van has its original value Concedenation of "Hello" + "world"

Faxample 9

2

1 my var = "Hello"

2

3 def my func ():

4 my var = my var + " world"

5 # Unboundlocal Error: local variable my var referenced

6 before assignment

7 return my var

8

9 my func ()

10 print (my var)

That variable is initially undefined, hence why an error occurs when the code attempts to coreatenate my ward and

Regardless, the 10 would only print "Hello" as like 9 does not capture the evertual return of my war. Therefore, it refers to the global my war on like 1.

Summerey

· Offerest concepts covered in Exemple 1 to 9 resulting . I different adopts; These melade:

- variable slope

- mutability

- variables as references

- possing arguments to functions

Carered earther in course and important so will be caused in Julie assignments.