Module 1 Cheat Sheet: Python Basics		
Package/Method	Description	Code Example
Comments	Comments are lines of text that are ignored by the Python interpreter when executing the code-:/id	1. 1 p. 1. W This is a comment
		Copied
		Syntax: 1. 1
		 concatenated_string = string1 + string2
Concatenation	Combines (concatenates) strings.	Copied Example:
		1. 1 1. result = "Wello" + " John"
		1. result = "Hello" + " John" Copied
		Executive .
		1. 1 2. 2 3. 3 4. 4 6. 5 6. 6 7. 7 8. 8 9. 9
		3. 3 4. 4 5. 5
		6. 6 7. 7 8. 8
Data Types	-Integer - Float - Boolean - String	9. 9 18. 18
Data types	- Line Gran - Line - Arteria - Julius	1. Ac7 2. # litesper value 3. yell.4 3. yell.4 5. ix,yell.6 5. ix,yell.6 5. ix,yell.6 7. ix,yell
		6. # Float Value 5. is_valid = Yrue 6. # Boolean Value
		7. is_valid = False 8. # Boolean Value 9. F_Name = "John"
		18. # String Value Copied
		Example:
		1. 1 2. 2
Indexing	Accesses character at a specific index.	1. my_string="Wello" 2. char = my_string[0]
		Copied
		Syntax: 1. 1
		1. len(string_name)
len()		Copied! Example:
len()	Returns the length of a string.	1. 1 2. 2
		1. sy_string="Wello" 2. length = len(sy_string)
		Copied
		Example:
lower()		1. 1 2. 2
lower()	Converts string to lowercase.	 my_string="Wello" uppercase_text = my_string.lower()
		Copied Example:
		1. 1 2. 2
print()	Prints the message or variable inside '()'.	2. 2 1. print("Wello, world") 2. print(a+b)
		Z. print(a+0) Copied
		Example:
		1. 1 2. 2 2. 3 4. 4 5. 5 6. 6 7. 7
	- Addition (†): Adds two values together.	4. 4 5. 5 6. 6
Python Operators	"Addition (1) Addit two values together. "Addition (1) Addition on the Windows and the Addition of the Addition on the Addition of the Addition (1) Addition of the Addition of the Addition (1) Addition of the Addition of	7. 7 1. x = 9 y = 4
	 Floor Division (i'): Divides one value by another, returns the quotient as an integer. Modulo (%): Returns the remainder after division. 	1. x = % y = d 2. result_Add= x + y # Addition 2. result_add= x - y # Subtraction 4. result_mal= x - y # Multiplication 5. result_fellow x / y # Sloce division 6. result_fellow x / y # Sloce division 7. result_male x y # Mudale/rtd
		 result_div= x / y # Division result_fdiv= x // y # Floor Division result_mod= x % y # Modulo:/tdp
		Copied
		Example:
replace()	Replaces substrings.	1. 1 2. 2
		 my_ttring="bello" new_text = my_string.replace("bello", "bi") Copied
		Systec
		1. 1 1. substring = string_name[start:end]
		1. substring = string_name[start:end] Copied
Slicing	Extracts a portion of the string.	Example:
		 1. 1 1. my_string="Wello" substring = my_string[0:5]
		Copied
		Example:
split()	Splits string into a list based on a delimiter.	1. 1 2. 2
span)	Aprile to sign and a serious control c	1. my_string="mello" 2. split_text = my_string.split(",")
		Copied Example:
		1. 1 2. 2
strip()	Removes leading/trailing whitespace.	1. my_string="Wello" 2. trimmed = my_string.strip()
		Copied
		Example
upper()	Converts string to uppercase.	1. 1 2. 2
		1. my_string="hello" 2. uppercase_text = my_string.upper() Copied
		Syntax:
		1. 1 1. variable_name = value
		1. variable_name = value Copied
Variable Assignme	at Assigns a value to a variable.	Example
	-	1. 1 2. 2
		1. name="lohn" # assigning lohn to variable name 2. $x=5$ # assigning 5 to variable x
		Copied

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