	Page No.:
	* Doda to love :
	Doutertypes:
(1)	
	Toto gento
	int eg: whole no. : 3, 100, 10
	mt eg: whole no.
Cii) *	Floating point?
7	
-	Type: float
->	e.g.: No. with decimal point
-	2.3 4.6 100.0
-	
Ciii)*	Strings:
	Type: Stx
-	eg: Ordered sequences of characters.
	denoted by " " 1 1 111 "
	"hello" "suma" "2000"
, ->	It can be a no. I talso count white space as character
	It on Di
Civ)*	Lict:
7	Type: list
180	Oxdered sequences of objects
\rightarrow	Detad Denoted by []
	eg: [10, "hello", 200.3]
*(n	Dictionaria:
	Type: dict
\rightarrow	Unordered kry: Value kayspais.
	e.g. 2"my key"; "value", "nome": "HKS"}
	Dethoted by { }

Immutable objects whose state can't be modified after it's we rank change an object that's in (vi) + Type Tuples: Type: top -> Oxdesed immutable sequences of objects eg: (10, "hello", 200.3) (vii) Sets: Type: set -) unoxdexed collection of unique object ea: ["a", "b"] (VII) * Booleans: Type: bool e.g. logical value indicating True or False to slice et -> From lists to -> Data structures are more specialized in bouic datatype and , tota object because they as hold tota object in some sort of sequence or in some sort of mapping. of Sliving: Allow to grab subjection of multiple charactery Syntax: [staxt: stop: step] Start + It's a numerical treex for slice start Stop -> Dt's index you will go up to (but not include) Step -) It's therize of the "jump" you take

Index: 01234 ber. Index: 0 -4-3-2-1 * String: -> print (help houseld) Olp: hello 19 pm "hello" -> For checking length we ve len fon. -> len ('hello') -> "I'm a geek" 0/p.5 -> (en C'Dass') -) print ("hello was Id one") 0/0 4 Opli hello was Hone -> Index ering? helb work extrysting = "hello world" 01234 56789 0-18-7-6 5-4-3-2-1 Cile mystring Olp: Thelloworld" Two way grab characters Cillony string [0] Index or revede index. (in) ngstring [-3] 7 slicing Complicated because grabig a subjection of string. Circ. more than one Characters. eg: mystoring = lab.odef! Olp: labodef! (i) grabing from C to f -> mystory [2:] Drystoing [2:5] Olp: "cdet" Olp! 'ce' -> | my stoig [:]] -) mystring [ii] Off: 1at Olp: 'abodef!

>	mystering [:i2] -> mystering [> :2:2)
	ofpiace of the she she she
~	mystering [::3]
	Of Prince of Control o
-	mystaig Lii'-17
	Op: feccba
~	Jannota Bility
	(3) name = "Sam"
	name [0] = p' (the essos i stry is immobile).
	(i.e. we can't seasign in this way).
<u> </u>	Costa Concatenation:
	merging to string together coppered for ranighing).
_	P = 1
	Egi name = "Sam" # name [0] = 1p!
	making pan rig name ['lam'] bygrabbing am from
	san!
	clicisi some Pin last letter = man [1:]
	sliggi made Chid last letters = man [1:]
	An ontro
	Concatenate: 1 pl + last-leffex.
	Olp: 'Pan'
\rightarrow	x = "Hello World"
	x + "if & beauty"
	1 Hello cork it & scarte

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		Page No.:
-)	letter = '21 letter * 22 Olo: 122221	
	Cupper core). Let x = "Hello World" X. upper() Olp: 'MELLO MORID' Cit doesn't charge star.	9)
	X. = X. Uppas ()	
7	(Split sterg) ×-Split()	
	['Hello', 'Woxld') X. Split ('o') ['Hell', 'Wyld')	
	String interpellation: Injecting variable into your string. Egi my-name ? "Jose" Print ("Hello" + my-name). Methods:	
	i) format() method ii) f-strings Cormatted string literals) 1. format() method:	
Syn	ntex: 15 borns have [3 then also [3! format (50 mething)]	, bonehy 21

			Page No.:
	- >	Op: This is string Insert Op: This is string Insert	
	→	Off: The E3 f3 f7! format ('fex, brown, guick	1))
	7	point ('The f 23 & 13 Eo]! format ('fox', 'brown', 'Off: The fox brogues brown fox	drayer))
	→	post The E03 fo3fo3! format ('fox ; brown', 'q	(ukkl))
		Asign key words: print (PThe Eq), 863 8931. Roomer Brown of	bxown, 9= quite
	♂	Civil f-strigs	
	->	name = "Jon" print (f! Hellog his name is Iname?!) Op: Hellog his name is Jon	
	\Rightarrow	name = "Son" age = 3 Print (fl gname) is lage) year all!) Olp! Sam is 3 year old.	
0')			
_ /			