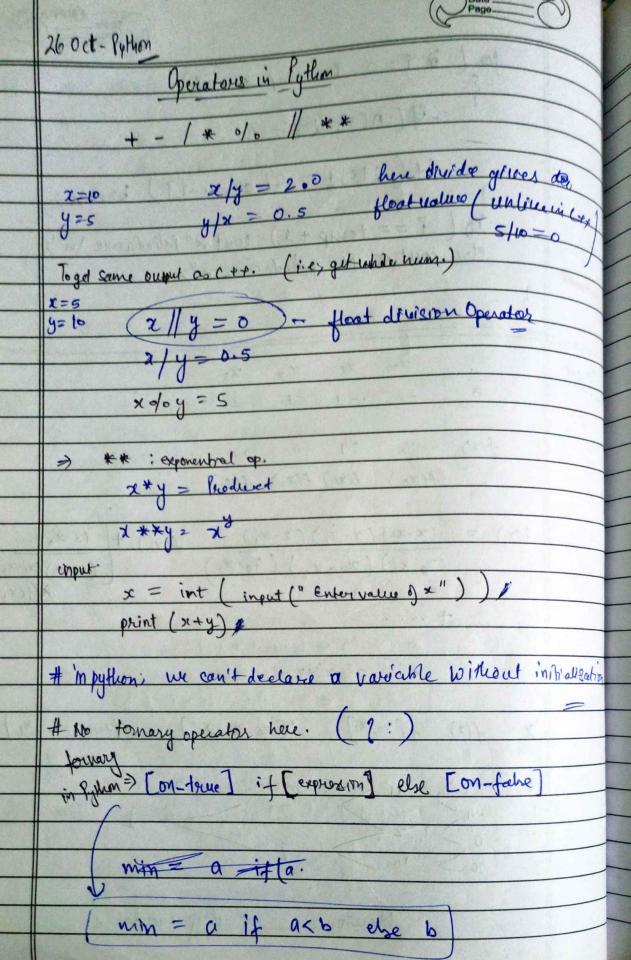
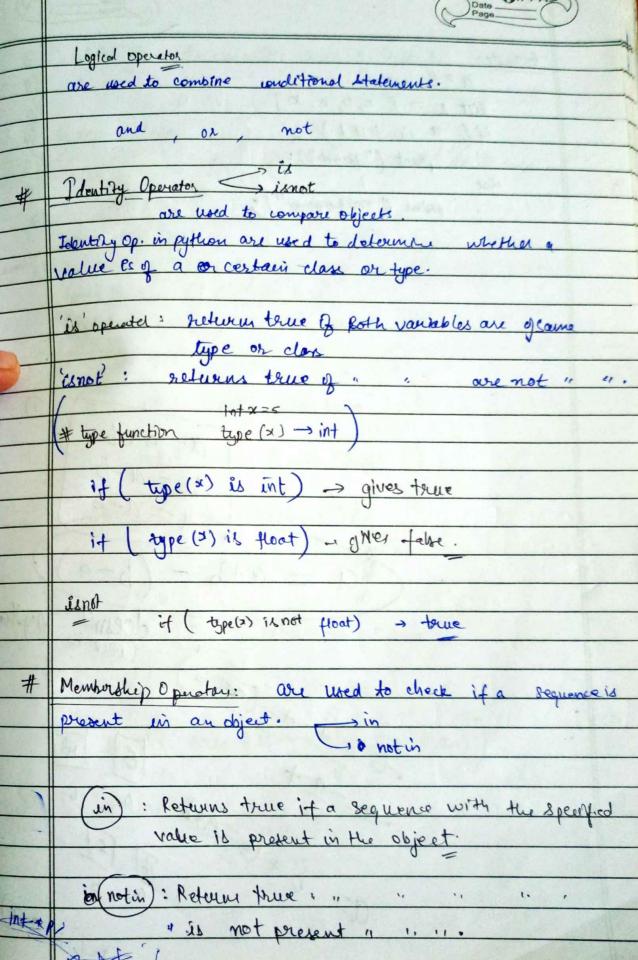
	Property Control of the Person
	Bython is a general purpose plang.
	→ High level  → Interpreted language
	with easy syntax. It was created by Guidovan Rossan
	(Because he wented to make a language that beauty). I & easy to use.)
	focus on identations, &3 removed.
	To do this, he used identations instead of early braces to describe the block of code.
	the block of code.
*	The language is went on the market, but didn't & received love, bee it's slow as compared to other languages.
*	Now, with the rise of ML and AI, python came with the
*	Bet, Finakes the ninck productive and much casies.
	AR THE RESERVE THE PROPERTY OF THE PARTY OF
	High level tanguages translator low level language.
	S/W
	(set of ) fragham
	Set of Instruction

Lython Perog. language in Python, type conversion is a process of converse, variable type. [NOTE:] in python, we can't declare variables before assigning the value. [ a = 5 ] X Not possible in Python. X=10 type (x) = shows type of variable Sta(X): converts o X to string float (X): converts X to float > How to take were input on python. : input junction input funer is always takes a realise as string X = int ip (input ("Enter the Munber")) // displays
this messes





WAP in Python to calculate area of terrangle swap values using 3rd variable without using 3rd Variable 1) To accept electricity unit consumption and calculate total price Q 5/- per uni)-Give a discourd of 10% on overall BELL b = int ( input ("enter base") ) h = int ( input (" onter height") print ("Area of triangle"). A = 1/2 \*b\*h S = int (input ("enter side of square"),
Area = S \* S print ("Area & square -", Area) print (" Area of square -" + str (Area)) Single line swap a,b=b,a

Data DIFFA Python Bitwik Opertors are used to compute binary numbers; Ribrisk op are used to perform operations on Bits. 8 - BITLORE AND Sets each Bit to 1 if Both 68h are 1 1 - Bitwise OR Cotseach Bil to 1 if toth any of Bits are 1 1 = Bitwise EXOR, Sots each BA to 1 if only one of the troo Bike 15 ond ~ = Bitwise MERNOT >> = Ritwise Right Shift left by pushing copier respect Shifts Right from the Right and let the loft most Bits fall Evange 14 < 1 Shift By 1 Value. 11101 080 1110/41 = 11100 - 28 16 8 4 2 1 17 61 0010001 47 = 100010 = 34 32 10 6 421 hero 17 KL = 34 n « i is Equivalent to n \* 2°

	Date Page
	Tythen Control Statements
2	
	Conditional statements are executed one by one
	in the same order as they appear in the progress.
/	a fraging.
-	And there will be various Situations while writing a program, when a will have to take care of different possible conditions. That might
1	have to take care of different possible conditions. That might
	aserise while execution of the program.
-	
-	The Such Situations, if conditions can be used.
	Selection Statement 'If there is some condition; Bared you which it's decided that whether a statement will be execute
	which it's decided that whether a statement will be execute
	or not. Then it's called sdelling Statement & Pythor hovidesu
	It selection Statement
	If statement: decision making; executes a block of lose ?
	condition geven es true
	it condition: ON if (condition):
	McCenterion) # Body of ()
	if(a>b):
	Fendo y, print (" a is large")
	print ("outak iz")
	êlse statement:
	action: If condition of it is fell , thou the aptional else
	Statement Runs.
	if(a>b):
	if(ash):  print("a")
	ese:
	pun("Eb")
130	

No. of the

white space & the Identation python seal relay on identations Beginning y telines to define scope in the cap Other programming law yourse Culey Brown for the purpose age = int ( input ("Enta age") if ( age >= 18): print (" Eligible") peint ("not Eligible") elif statement If any stration occur in the program, when there is than one condition then we use eliftationed of ( -): elif (condition): print "hello") privit ("Bye") What to find largest among 3 values. (a, b, c) if ( asb and asc): print ("a & largest") elif ( b>a and b>c): print (" b is largest")

will to input mark of 5 subjects & calculate per foral & of and agent that display the grade. at what are loops. Allows us to execute a group of Hotoment multiple time there are sertain condition defend in the begins for enturing the loop. Doce the condition is false, the loop will torminate I the control moves out of the loop. NOTE: In Python prog; there are no fost-Tested loop available ( like do white in C++). Adv: Reduce the six of the code. Reduce the completery & make it more efficient; increase the execution spiral. Typo of toops in Python - Two types: \* while Loop: indefinite loop. In python: while loops are known as indefinite or londitional loops. They will keep Realing until certain condition is mot. There is not generate sheet of the Regarding the number of iterations. ( Condition Syntax: +ti, -i are not while expression: anable in poten # code to be executed i = 1 While ( ? <=100) : print (" value =", i) print(i) Photos that then print (" value = " + i) // GREOR we need so typical explicitly Alapart of print ("done") loopie print (" value = "+sta( ?))

print ("hello", "world") | prints Hellow World Tython automatically adds a space by two comma separate values to be printed. Deconcatenates to single string prest (" hello " + " world") " hellowoodd", then prints of Printing table of Number entered by Vicer. num = int (input ("Enter number")) とく=10) print (so(num) + " x" + "(i) + " = " + "num \* f) while i+=1