Ch - Kython What is a program! Ans | A program is a sequence of instruction 1 that specifies how to perform computation UZ What is python / Write its two feature Ans 2 Phython is a high level programing bounds language design to make a program tentures of Lython Q It is age sensitive language 2 It can be used in any operating system men it is a phython independent independent It has simple Syntax @ It is open source sognisery

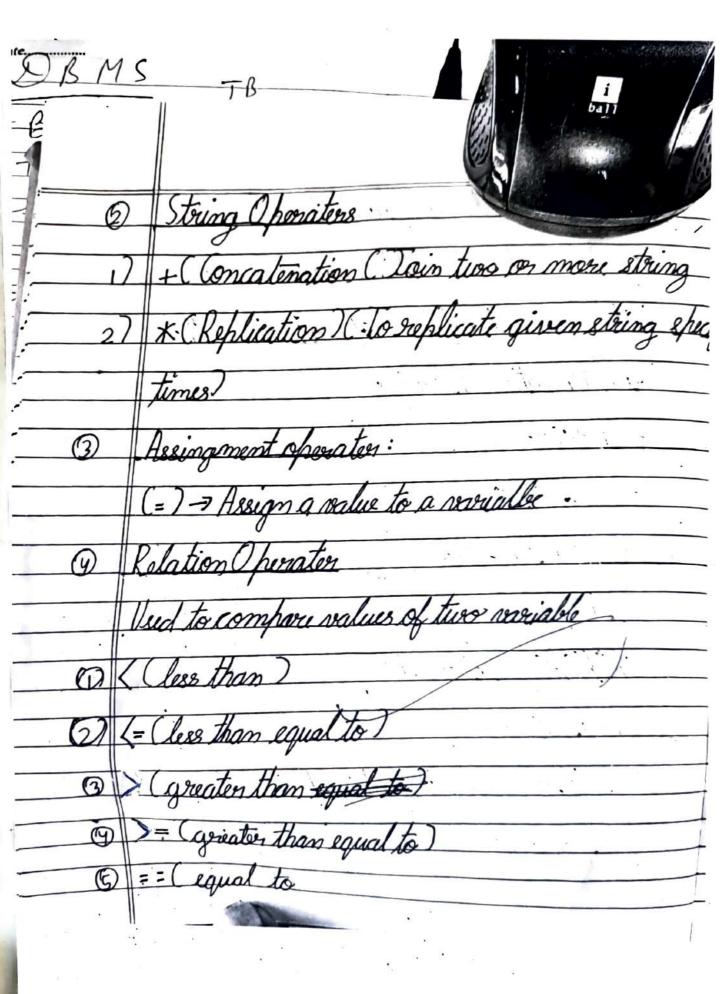
This is interpreter which excustes one line at a time Write some application of Lython Few application of Bry python Game Development levelopment Intelligence and Machine learning anguage Development Education Programis and braining Courses

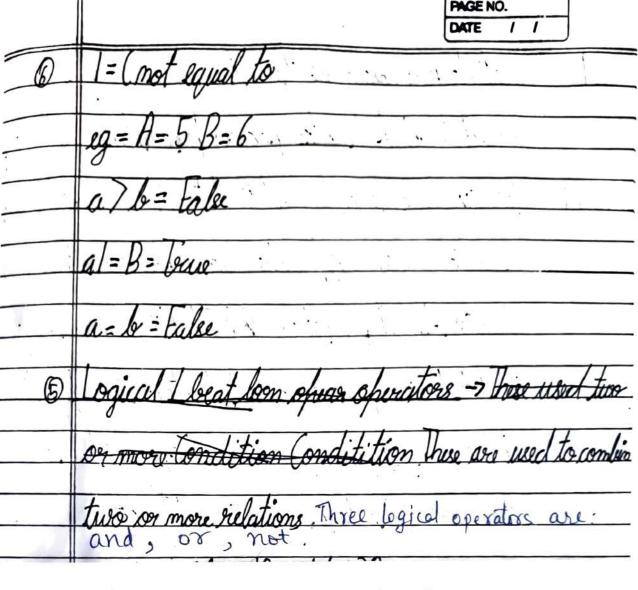
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- Oy .	Write different programming modes of light
Ans 4. 0	Interactive mode - In this instruction is exceeded
	line by line
	Scrift Mode - It is used to write complete program
	at once
√ 0 5 ²	What are Variables ? Write rules for marning
	ocinables in Bython
Ans 5 7	python rariables is a moned storage location to trans
	alues.
_ O /	reariable must start with a letter or inderson
@ A	raviable name cannot start with a number
3 4	con contain alpanimenia characters and moscore
- log	

L mamos are asse sensititive thon Reywood cannot be used as a Write few basis data Type Bython. (integer) -7 Represent integer value. Three types of integers are or halse, loating () Str (string) It represent string of close within single or double quotation mark

Eg - Hello World "Name", Peace 2022 Explain print and input function Brint Ofuntion is used to display the output of any command on massages on screen eg = Brint ("20+40", 20+40) input function is used to accept the string rate for a variable from the user To input integer and float () along with input () eg = 100 NI - input ("enter your name") This statement will take string value in mi NI = int (input ("enter your name") This state statement will accept integer value in this statement take strong reducion NI

1	
	PAGE NO. DATE / /
	192 triput enter marine
	This statement will aspt integer rate in 1.
08	Write different types of operator in lython
Ans8	An Arithmatic Operators
0	+ (Addition)
0	- (Substraction)
3	X (Multiplication)
9	1 (Division)
5	XXX (Exponent)
0	1. (Reminder)
Ø	11 (Elsor division) Divide members and giveresult
	integers form





- 1) and swill give result true only if both conditions are true.
- 2 or will give result false only if both conditions are false
 - 3 not > will negate the result of given condition

0
$$a = = 10$$
 and $b > = 10$ \longrightarrow True
2 $a < 5$ or $b \mid = 10$ \longrightarrow True

not (a)=10) -> True

What do you mean by operator Precedenc / Who find operator process precendence in lyte pornter precedence is used to determine the order enclustion of an expression involving more than ene operator. In Phy Python & BOUMAS rule is the wed to dead the precedence of Hrithemetic Operate Higher precedence operator are operated to begoe the lower preadence operators. If both have so same pruddence whichever comes first with the told

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		UAIE 1 1
	110	Write the escape sequences associated with print Ofunction
		Using () comma operator -> Ving canima (,)
		operator between I value, will display values with
9		space between them
		Using tab space (91) -7 Using It nasa separtor
		among values will display values with tab space
		between them
	3	Very newline character (in) -> newline character
	. ((in) is used to end a line and start a new line, means
•		it will print meret value in meret line
_		Example pragram
+		mame = input ("Enter mame")
	A	class = input ("Enter class")
	- 1	I e

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	en: input ("Enter moof or	ole ma")
	Brint & mane, class, and	in which
0.3	Print (mame, "It", class	2 / rm
	Print (name, "In") class	
	Output - Enter mame Ring	
	Enter class 6D	AND THE PARTY OF T
We.	Enter Rollno 21	in the state of th
	Riya 60 21	The second
	Riya 6D 21	1 120000
	Riya	Strait hours
	60	
1	21	The Charles
		Today : Com
		inful = com

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	Brogram
	We input ("Enter first number")
	1) = input ("Forter second number")
	Sum = N/+ N2
1	Print ("Sum of number = ", Sum)
	Output
	Enterfiret name number 21
	Enter second number 35
	Sum of number = 2135
	Program 2
	N=int (input ("Enter first number")
	N)= int (input ("Enter second number")
	Sum=N/+N2

Brint ("Sum of the numbers = " Sum Enter first number 21. Sum of the numbers = 56 a print area of square square Side = int (input & side of square is "Area of square is", Area ide of square is 6 Area of square is 36

708 PAGE NO. DATE hopan a print perimeter of Square herimetri = 1 m & side "perimeter of square is", perimeter Side of square is 6 Cerimetre of Equari is a Concatinate two string second string "Enter second string" oncatinated string is,

Enter first string Kija Concatenated string is King Gupta Replicate a string . 4 "Enter a string" ("Keplicated string" x x y) Enter a string hello Replicated string hello hello hello

