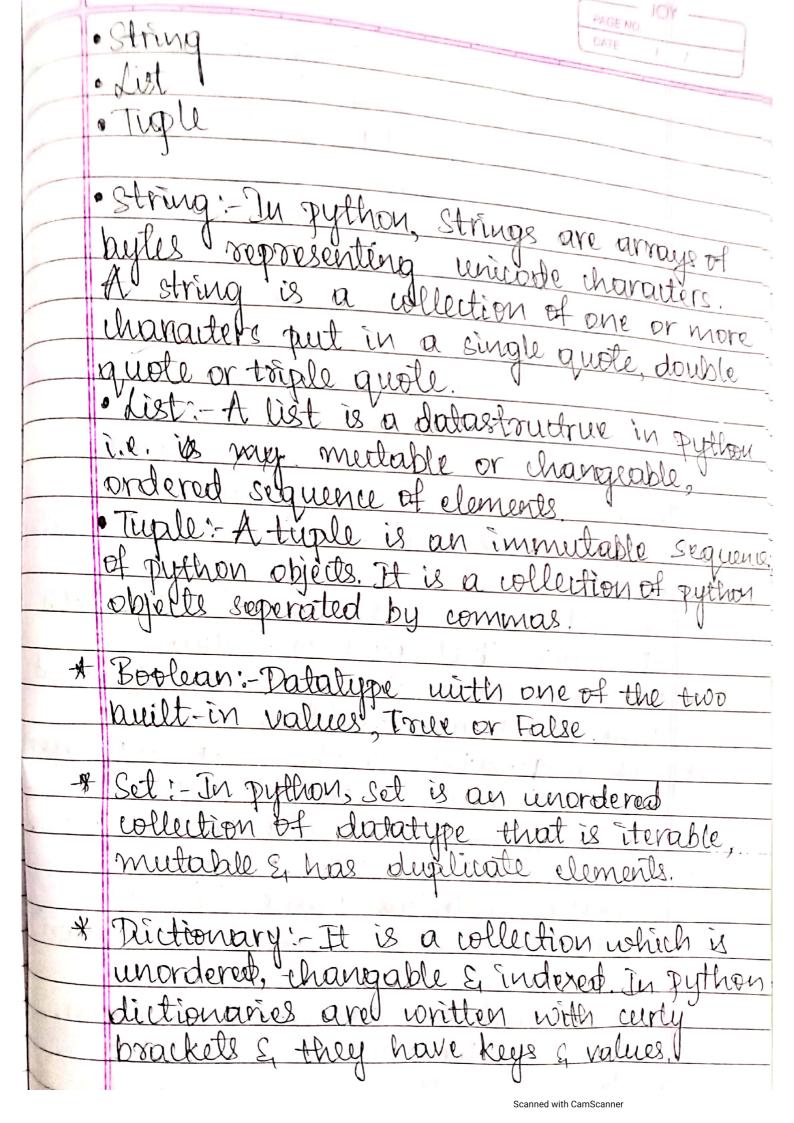
01.	1011440
	What the datatypes in python? Explain. Following are the standard or built in data-type of python. * Numeric
	in late him are the standard or built
	* Numeric
	* Commence
	* Sequence type * Boolean
	* Set
	* Dictionary
	racionary
*	Numeric: - Ten Duthon manners doctation
	Numeric: In python, numeric doctative represent the data which has numeric
	Valle. It can be suferer flooting monther or
-	value. It can be integer, floating number or even complex numbers.
	· Integer: This value regresented by int
	class. It contains +ve or -ve whole number
	In python there is no limit to how some
	In python-there is no limit to how some long an integer value can be. Float: It is a real no. with floating
	· Float: It is a real no. with floating
	point representation. It is specified by decima
	number.
	Complex numbers: - Co Complex number is
	represented by complex class. It is specified as (real part)+(imaginary part);
	specified as (real part)+(imaginary part)
	eg:- 2+3j
	U TO THE TO THE O
*	Sequence type: In python, sequence is the ordered collection of similar or different ordered some sequence allows to store
	ordered collection of similar or suffered
	data types. Sequence allows to store
	multiple values in an organizea a
	ordered collection of similar or afferent data types. Sequence allows to store data types. Sequence allows to store multiple values in an organized & efficient fashion.
The state of the s	efficient fashion. efficient Sequence type a are:-
The state of the s	



DD.	Briefly explain history of python
	Python is initially designed by Guido
	Van Rossum in 1991 and developed by
	Python software foundation.
*	It was mainly developed for emphasis on
	code readability and its syntax allows
	Programers to express concepts in fewer
	lines of cools.
	the programming language which python
	the programming language which python is soid to have succeeded in ABC
3	Programming language which had the
	interfacing uliter the amoeba operating
a.t.	System and had the feature of exception
\t	handling.
	the had taken seen some issues with
	He had taken the syntax of ABC, and
- 4	some of its good features.
	The inspiration for the name lame from
	BBC's TV show- "Monty Python's Flying
I	circus , he was a kin fan of TV show
4-	Also her wanted a short, unique &
	slightly mysterious name for his invention & hence named it "Python".
	inventions hence named it "Python"
1	
ח	Explain all the operators in python.
- 11	Divators and as +0 wwws.
- 11	$\sim 1/4$ $\sim 1/$
	addition, subtraction, multiplication &
	division.
K	Willey,

operator	PAGE NO PAGE NO	
-+	adde a son	1
_	subtraile à operands x-y	the state of the s
*	Multiplier > Operands x 4	
	multiplies 2 operands xxy divides the 1st operand x/y	
	by the second x/y	
//	dividec the 1st on	
	dividec the 1st operand 2//y by second: Division(Hear)	
0/0	CATTIVIA O I.P.	
* *	returns first naised to x*	4
	CDDIATUY ON CONTRACT	
ir) Relat	tional Operators:- Relational of	
compare	Es the values. It either reture To	<u>levators</u>
False c	according to condition.	rue or
1	Corce (100)	-
> G	reaterthan: True if lest operand	2>4
	is greater than the right	7
_ K &	ess-than: True if left operand	XXY
	is less than right	
== ŧ	Equal to: True if both	2==4
1 10, 11	operands are equal	
1= 1	Solequalto: True if operands	2/=4
	are not equal	U
>>	Greater than or equal to the	72=4
	right	
K2	less than or equal to: True	XC:Y-
	if left operand is less than	
- 12 - 12	or equal to right	H
iii) Logi	ical Gerators: Logical Operators 1 AND, Logical Operators	gertonn
Logical	I AND, Logical or and Logica	Not
peratia	ns,	
	Scanned with CamScan	nor

and	DATE
COGERAND TOUR OF	
Demud 6	we x and y
L 1 W V	U .
Logicalor: True if	V -
med and the opposite is	True x or y
Logical Not! True if	not x
Logical Not! True if operand is false	VAL X
(v) Bituise Day A	
hits and performs bit hu bit	erodors acts on
hits and performs bit by bit	operation
X -	
Bitanise AND	xfy
~ Bituise or	aly ~x
1 Bituise NOT. Riteuise NOR	
>> REferrise viscos	xxy
Shift	λ>>>
	N ()
Bitmise loft shift	7. <<
v) Assignment Operators: Aco	numout Bravalan
v) Assignment Operators: Acsi ore used to assign values t Eg: =, t=, -=, *=, !=, °!.	the manifolds
fa: = , += -= *= /= °/0	= //= +4-
N&=, 1=, ^=,>=,, <<=) 1 -)
ii) Special Operators: There a	re some special
· montify operators - is and is	not are the
- dontify mornators both are us	ed to check of
-type Et operators like • Identify operators is and is identify operators both are us two values are located on	same garled
TWO COLLEGES	5 A A
memory true if operands	are oderline
is True if operands or	cre not identico
J. C. VEO	

	Man horship operation
	Membership operators: in and not in are the membership operators, used to test whether a value or variable is in a
	whother a value or was able is
	sequence.
	in True it value is found in Sequence
	not in True if value fis not found in
	sequent.
04	Explain the features of python.
	Explain the features of python. i) Easy to learn and use: python is easy
	to learn and use. It is soverage open-
	friendly and high level programming
	language.
17	
	It means i.e. more vons understantall &
11	Interproted language: Interproted language: Interpreter executes the code line by line Interpreter executes the code line by line
1	Interpreter executes the core line by and
1930	A TIME MUKES OF THE
	THAT UNITED TO SOME THE
in) cross-platform language:
	It can run equally that on diff phatforms Such as windows, linex, unix etc. So we can
BEIL	Such as windows, aunt, work
	cast puttion is a porture again fraille
V) Free and open source.
	available a bitation
101	in place available. The amports object
1	in Object-onenled and Joseph of classes &
	1 3(L- 0 VA) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	objects came the smalles that other lang such
1	objects came êtito existence. objects came êtito existence. ii) Extensible: It implies that other lang such as cic++ can be used to compile rode
	as get

and thus it can be used further in our python code. viii) Large Standard Library:-Fython has large & bibrary & provides silh set of module & functions for rapid application development ix) GUI programming support graphical user interfaces can be developed using sython.

X) Integrated: It can be easily integrated with languages like C, C++, java etc. 5) Tustify why python is interactive interpreted language.

Python is an interacted interpreted language because unlike c/c++ e+c, python is an interpreted cop language By interpreted it is meant that each time a program is run the interpreter checks through the code for errors & then interprets the instruction into machine readable byte code we can easily integrated jython with other language like c, C++ etc. There is no need to compile python code this makes it easier to debug our code. The source code of python is converted into on immediate form called byte code.