

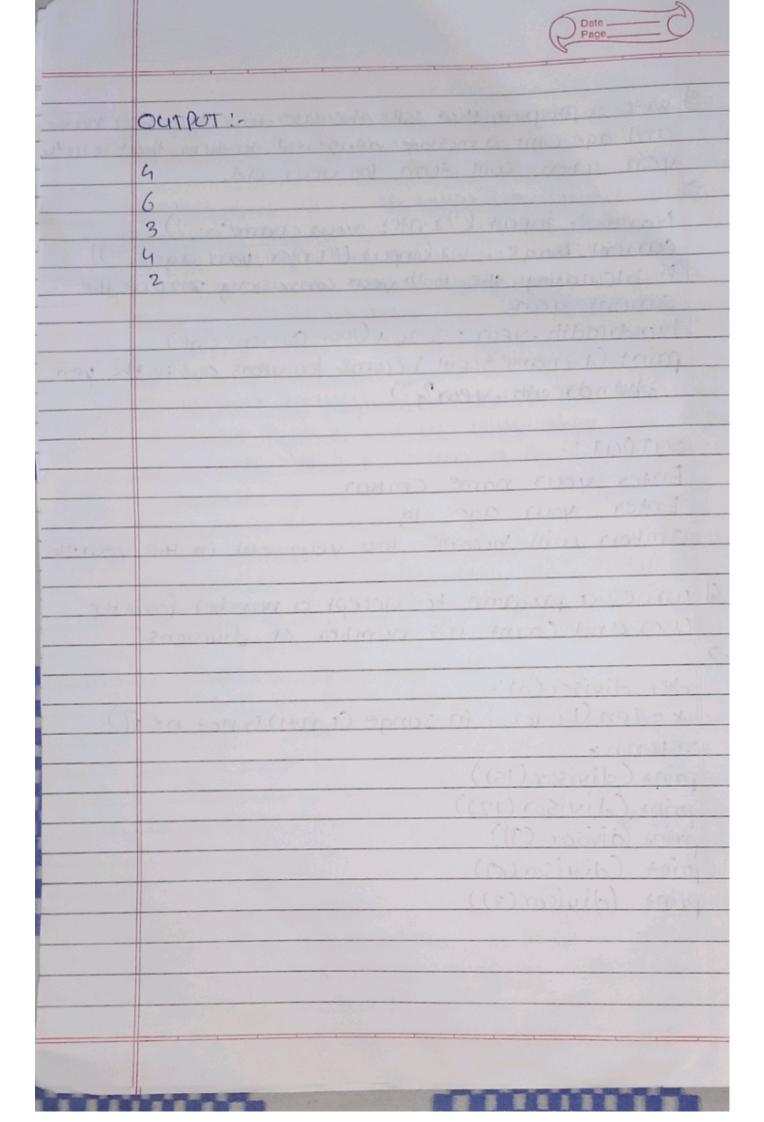
result. If will show some unexpected output or extern message. Specifically. It will do what you told to do to find out semantic error can be because it requires you to wark backward by looking at the output of the program and laying to digure out where is something gone wrong.

1) list and explain various data types in python.

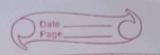
There is a need to Store and manipulate data within program in order to do so then we must also have the ability to create containers used to hold that do so that the program can use it. The language need to known how to handle data once it is stated, as are can do that by assing data type to out contain in programming language. However, in python. It is not requirement to assignate data type because the interpreter is able to determine which type of data we a story in a dynamic foshion.

CHARACTERISTICS DATATYPE Null Value object. None Plain integet (eg 32) long integet, integet, letter with on 'L' suffix long too long to be a plain, integer. float Floating-point Number Numeric Containing Complex. decimal complex number expresed as a sur and a snumeric literal with a 'real' and imginaly' part. True or false value. Boolean Includes the following types; Strir Sequence Unicode string; basesting, list touple.

	Date Page
3	White and
	Write a program that asks the user to enter their name and age unit a message addressed to their hand
	year, when will turn los were to enter their hand
->	year, when will turn loo year old.
	Name !- input ("Enter your name:- ")
	Current bage ! in (input ("Enter your age!"))
	H Calculating the looth year considering 2020 as the
	current years.
	hundreadth -year = 2020 + (100 - Currons)
	print (f & name 3 will become loo years old in the year.
	Ehundreuth-year?")
	output!-
	Enter your name omkar
	Enter your age 19
	Omkar will become 100 year old in the year 2101
4	write a program to accept a number form the
	User and count it's number of divisions.
7	
	det divisor (n)!-
	K= Len (li for j. in range (1, n+1) is not nt i7) return x
	pring (divisor (15))
	print (divisor (12))
	print (divisor (9))
	print (divisor(a))
	print (divisor(3))
T. 1980 C. 1981	



6) Explain the contince statement with a suitable -> The continue statements: The continue statement is used to skip a part of the loop and continuse with next nettedion of the bop. It can be used in combination with fat an while Statement. SYNTAX: Continue Ex! # pt 3.13 program to use of continue Statemer for i in range (4) if (i==2); Continue print(1) OUTPUT!



- 6) Explain the use of bajical operates and membership operators in python.
- Togical operators: operators are used to perform.

 Operations on values and varibles. These are the

 Special Symbol that carry out arithmetic and logical

 Computations. The value the operator operat on as

 Known as operana.

Logical Operators:In python, logical, operators are used on conditional statement (ether true or false) they perform logical AND, logical OR and logical.

A membership operators!A membership operators in python can be defined as being an operator that is used to validate the membership of a value. This operator is used to test membership in variables such as strings, integers as well as tuples.

In operator:

This operator in python is used to check is the value exists in a variable or not.