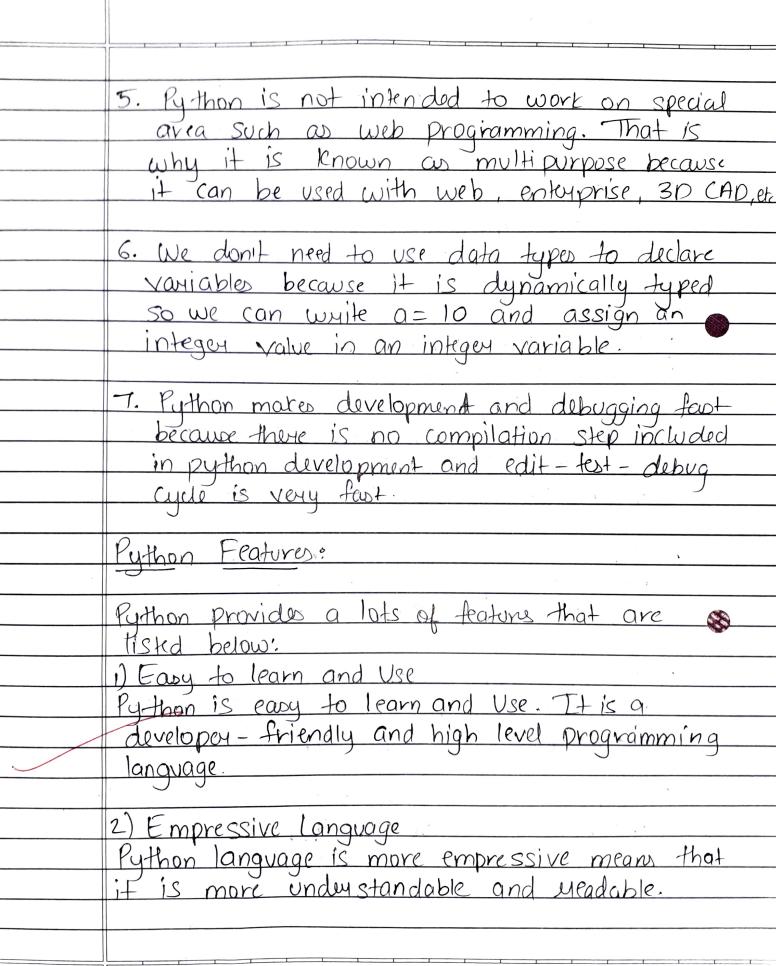
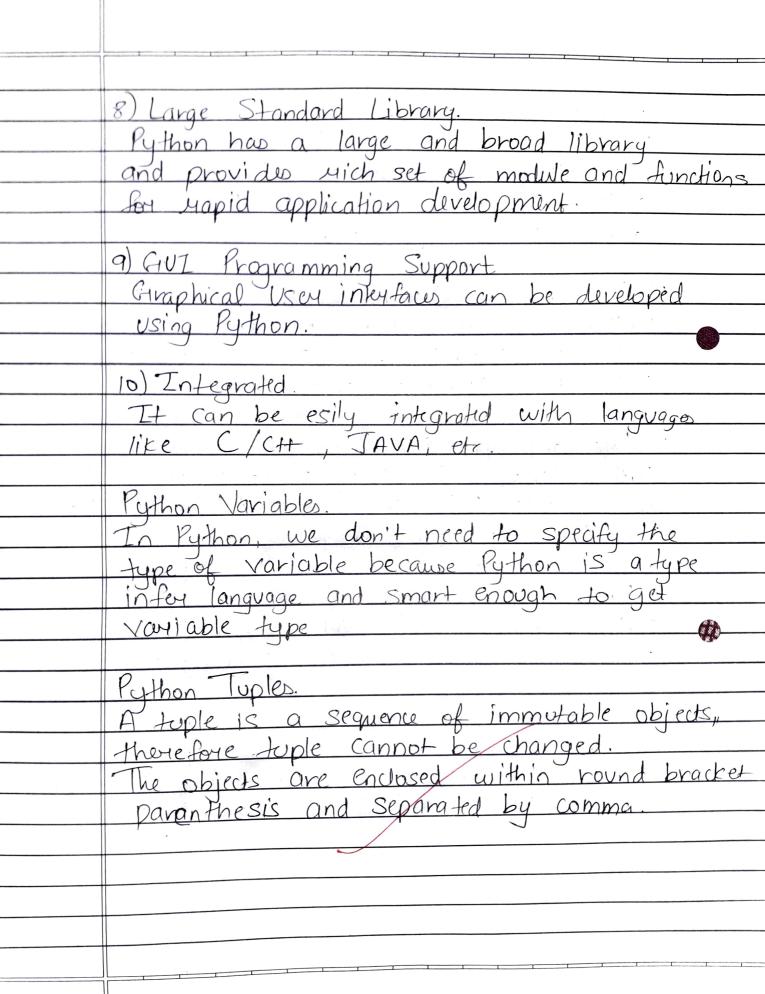
	Name: Sauxabh. P. Bhoir Class: SE Div.: A Roll No 14 Subject: SBL - Python Topic: Basics. Page No.: Date:
	EXPERIMENT - 1 BASICS OF PYTHON
	Aim: To explore the basics of Python like Data Types (Strings, Arrays, Lists, Dictionaries, Set, Tuples) and Control Statements.
%	Theory: Python Introduction: 1. Python is a general purpose, dynamic, high level and interpreted programming language. It supports Object Oriented programming approach to develop applications. It is simple and easy to learn
	applications. It is simple and easy to learn and provides lots of high level data Structures 2. Python is easy to learn yet powerful and yensatile scripting language which makes it attractive for Application Development.
	3. Perthon's syntax and dynamic typing with its interreted nature, makes it an ideal language for scripting and Mapid application development.
	4. Rython supports multiple programming pattern, including object oriented, imperative and functional on procedural programming styles.



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	3) Interp	reled Langua	qe			
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	a time.	This makes	de buggin	y Ea	sy and	thus
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	4) Cross-p	latform Lan	gvage			
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	Putto to	1 Mayntosh	, etc. So,	We	can so	y
	1 ginon is	a Portable	Language			
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	6) Object -	Oriented Lan	quage.			
	Python si	ipports obj	ect onlente	d lan	avage (and
	concepts of	opports obj	and object	s con	ne into	existance
	7) Extensit	ole	1			
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	Can be u	ised to con	mpile the	Cod	e and	thus
	it can	be used +	urthey in	002	- pytho) N
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	Python Dictionary is a value pair.	nary		
	Dictionary is a	an Junorda	ed set of	Key and
	value pair.			
	L+ IS a conta	ainey that	contains	data , enclosed
	within curly	braces.	[] a - a - a - a - a - a - a - a - a - a	ba violaus
	The Key passed	he value	is senavate	d by a
60	Colon (:).	70102	13 Sparon	
	Rython Strings. Strings are th			
	Strings are th	e simplest	and Papy	to use in
	Python. Python Strings	are impart	Filale	
	191101 31119			. `
	Python List			
	Python Lists is capable of	are the d	ata Structu	ires that
	is capable of	- holding	different '	values of
	ala.		10 10 0.1	1 2 - 111
	2) Python lists of	new list	if the n	nodify an
	element in t	he list.	77 000 17	7000
	3) A python li	ist is ex	rclosed bel	Wean
	3) A python li Square (FJ) b	prackets a	nd the di	flevent elements
	are sepavated	by comm	7005	
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	Control Statements.
	Python IF Statement
	The python IF statement is a statement
	which is used to test the specified condition.
	We can use if statement to perform
	Conditional operations in our Python.
	application.
	There are various types of if statements
	in Python
	in Python 1) if Statement
	2) if - else statement
	3). nested if Statement.
	For Loop.
	Python for loop is used to Heyate the
	elements of a collection in the order that
	they appear.
	Pathon While loop.
	In Python, while loop is used to execute number
	of statements or body till the specified condition
	is true.
	Condusion.
	To this experiment, we executed basic commands
. \	to write programs using Python language.
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