1	Page No.
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	Date:
	Assignment. Prince Oliver
	DEP8: DEP8: DEP8:
1	FYIT ILIN
*	DEB :
	·
	Introduction 3_
4	The document gives cooling conventions
\	e the sub gives cooling conventions
	for the python code comprising the
	Standard library to mice all
	Standard library in main python distribution.
	This documend and PEP 257 was adject
	from Guido's orginal python Style Guide
	essay, with some additions & guide
1	essay, with some additions from Barry's
1.	The style guide evolves over time as
101	Contract Con
	Con son son son
- 0	by changes in the language itself
8 4.5	Manguage 18elf
	Tuling project rave their
1.00	Style guidelines In the event of any
_	conflicts such projects spectific guides
	the specific guides
	take precedence for the project.
	Code Lay-out.
	- Congression -
~ ~	T
	Indentation
	Use 4 spaces per indentation level.
	Continuation di la milia i no social
~	Continuation lines should align wapped
	ments of the sectically wing pothons
	Implicit line joining inside parentheses,
	brackets and braces for using a
N	and praces with the

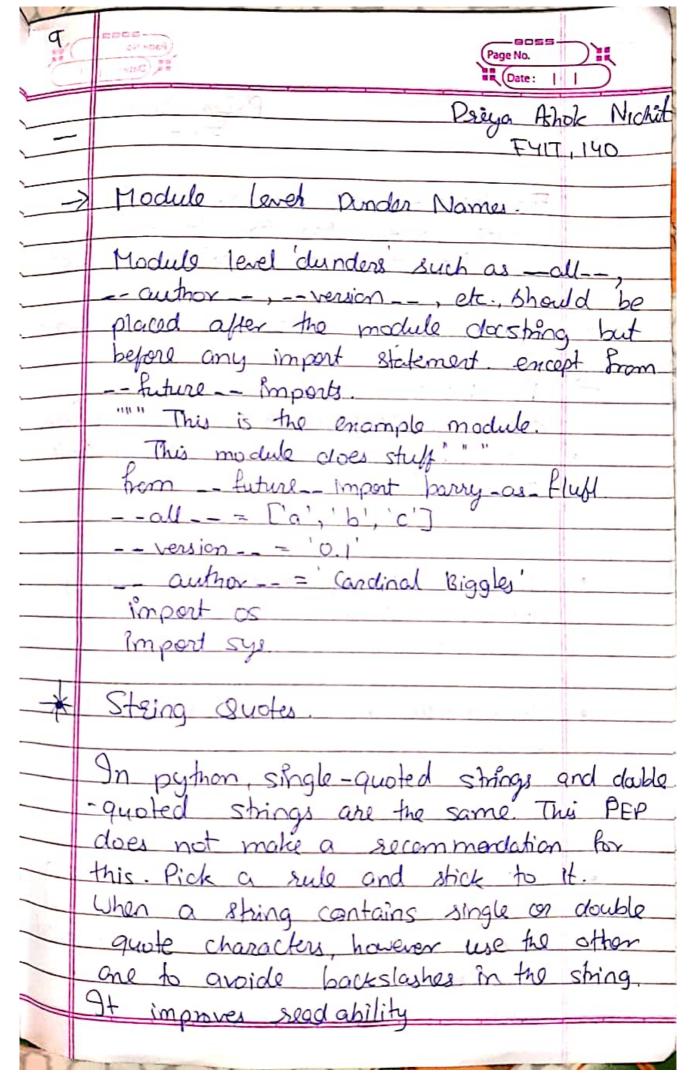
(3)	Page No.
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	PRIMA ASMOK NIGHT
-	hang FYIT, 140
3	hanging indent. When using a hanging
	indent the following should be consider
-	there should be no argument on the
11	hist ine and further indentation should
Tarket	be used to clearly distinguish itself
I I I V	as continuation lines.
Marine L	The 4-space line rule is optional
0./5.5	for continuation lines
	When the conditional part of an it
	Statement is long enough to require
H KIE	that it be written across multiple line
1 9-15-25	its worth noting that the combination
	of a two character keywork, plus a
1	single space, plus an opening perenthesis
July 18 18	creates a natural 4 space motent for
Marine	subsequent line of the multiline
<u> </u>	conditional. This PEP takes no emplicit
4	position on how to surther visually
	distinguish such conditional lines
	from the nested suite Preside the if-
	Statement Acceptable options in this
y y	situation include, but are not
1 197	(mited to:
-	The closing brace/ bracket on
1.1 65	multiline constructs may enther line
	up under the first non-whitespace character

3	Page No. Date:
	of the last line of list or it may be lined up under the frist character of the line that starts multiline construct,
->	Tabs or Spaces?
	Spaces are the preferred indentation mothod. Tabs should be used solely to semain consistent with code that
	is already indented with tabs Python disallows mixing tabs and Spaces for indentation.
->	Marinum Line Length:
	characters. For flowing big blocks of text with fewer structural restrictions, the line length should be limited to 72 characters. Limiting the required editor window width makes it possible to have several files open side by side and works well when using code review tools that present the to versions in adjacent columns. The limits are chosen to avoide wrapping in editors with the window width set to 80, even if the
	tool places a marker glyph in final

60	priya Nichit
9	Page No. [Date: Date:
	teta() ne (Date:
1	column when wrapping lines Some
	web based took may not offer
A	dynamic line wrapping at all.
8	Some teams strangly prefer a longer
1	line length and it is okey to
	increase the line length up to 99
4 7.5%	characters, provided that comments and
The same	doestrings are still wrapped at 72
	characters.
	The python standard library is
	conservative and sequires liming lines
	to 79 Characters. Python's implied
	line continuation inside parentheses
	brakets and braces long lines can
	be broken over multiple lines by
	wapping expressions in parentheses
	These should be used in preference
	to using a backslash for line
March	continuations.
	Backslashes may still be appropriate
	at times, for engangle, long mutido
	with statements could not up indicit
1	continuation before pathon 2.10, 10
4	backslashes were acceptable for that
-	cases.
	Another such case is with assert
	Statements
mark	Make sure to indent the continued line
=======================================	appropriately
W	

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6	Date:
	in (Date:
	Priya Ashok Mills
+	FY17,140
4	
13	Method definitions maide a class
	are surrounded by single blank line
	Barles blooms lives may be used to
1	servate gracing of related 14nchons
1	Blank mes may be amitted between
	Bark West and I wood - I more too
/11	a bunch of related one-liners (eg
7	Set of dummy implementations)
0.30	Use blank lines in function, Sparingly
	to indicate logical sections
1 marine	
	Source File Encoding.
	Source Cricoaning.
	Code in the core python distribution
	should always use UTF-8, and
7.50	should not have an encooling declaration
	In the standard liberry on UTF-8
	encoding should be used only for
-	
	jest purpose. Use non-ASCII
-	character sparingly, peeferably only
	to denote places and human names
	If using non-Asul charactery as
	data avoide noisy unicode
	characters like salgo and byte
	order marks.
	Saannad with Camsaa

8:	Page No.
	:5160 AB Date:
	if the Pring Ashok Nine
	Priya Ashok Nich
	if the import system is incorrectly
	configured (such as when a directory
V10	Projete a package ends up on sys. (pats)
	Standard libary code should groid
plerate .	Complen package layouts and alany
	use absolute imports.
•	When important class from a class-
	containing module, it's usually okay to
	spell this:
1	If this spelling causes local name clasher
	then spell them englicitly:
	mport myclass
1	import too.bar. your class
•	Wild import should be groided
	(from < module > import *), as they make
5 1.	it unclear which names are prejent
	in the namespace, confusing both
-	seaders and many automated took
04.6-	11
	When sepublishing name this way, the guidelines below segarding public
	the guidelines below regarding public
HV a r	and merral inter faces still
	apply_
	white white the call of



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10	Date: Date:
Min street	Priya Ashok Nichi
	F417, 140
	For triple-quoted strings, always we
	double quote characters to be consiste
	For triple-quoted strings, always we double quote characters to be consister with the docstring convention in PGP-25.
	The state of the s
1	Whitespace in Empressions and Statemen
-)	Pet Poeves.
7	Avoide entraneous whitespace in the follow
	Immediately pride parentheses, brackets
	or braces:
1	Spam (ham [1], { eggs: 2})
-	Between a trailing comma and following close parenthesis:
	foo = (0,)
4:1	
	Ammodiately before a comma, senicolon.
	cor colon:
	ifn==4: print(n,y);
941	N, y = y, n
	Monever in a slice the colon acts like a
9/4/2	binary operator, and should have equal
	amounts on either side. In an outended
	Stree both colons must have the same
	amont of spacing applied

12	oli spag
	-6teC) 2# (Date:
1 1	# Correct: Priya Ashok Nichit
	ham'lia), ham (1:9:3). Fylt 140
13	ham [:9:3], ham [1::3],
	ham [1:9:]
	ham Clower: upper],
	ham Clower: upper:];
	ham [lower: stp]
	ham [lower + offert:
	upper + offset
	ham [: upper fn(1):
	Step-for (7)], ham[::
Ison	step-fn(n)
	hom (lower + offeet: upper
	+ offset]
	# wrong
	ham Clover + affect upper +
	Mset)
	ham [1:9], ham [1:9],
	ham [1:9:3]
	ham (lavor: cpper)
	ham [: upper]
10/10	Immodiately before the open parenthesis that
1.	starts the argument list of a synction
	Call?
	The word
	Spam (1) Spam (1)
	> -411) (1/
edicaria.	Scanned with Camp

12	Page No.
	Priya Pshok Nichi FYIT.140
	Immodiately before the open parenthesis, that starts an indexing or slicing:
	# correct. dct ['key'] = 1 st [inden]
	# wrong det [key] = 1st [inden]
90	More then one space around an assignment
	Sperator to align it with another. Howeng
-	N = 1 y = 2 $long_variables = 3$ $long_variable = 3$
\longrightarrow	Other Recommendations
•	Avoide trailing whitespace anywhere. Because it's weally invisible, it can be
1 - 2 - 1	contusing: eg. a backslash followed by a space and a newline closs not count as a line continuation marker. In edito
A	(like apython itself) have pre-commit
	hooles that reject it.

14 Briga Ashok Nice · Function annotations should be use the normal rules for cotons and always have seprate around the -> and ow if present # correct 3 def munge (input: Anystr): def munge () -> Pas Int # wreng; def minge (input: AnyStr): def minge () -> PosInts Don't use spaces around the = sign. when used to Indicate a keyword argument, or when used to indicate a default value for an inamotated function parameter: # (orrect: def complen (real, imag = 0.0): return magic (r= reel, 1 = mag) # wrong dy complex (reel, mage = 0.0): return magic (r = real, i = imag)

Mary .	M M
16	(Mark)
12.	(Fage No.
	(Date:
1	When compared of the state (FYIT, 140
	FYIT I'M
	statements (variltists 1 to 1
	I GEATH
	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	if for == blah: if for == blah:
	do lob li ()
	do Wah trans
	010 -0011)
	do threels
	do_three()
0	While something its okay to put an
	17 / for I while is been to put an
	may body on the
	TOWN CO TOUR
	stagemen. Hiso avoid folding such Ima
	line!
	When to use Trailing Commas
	of thriang.
	Theili
	trailing commas are essually optional.
	1 (00)
	a tuple of one element. For clarity,
	ets second me med to supported the
	latter in parentheses?
	# correct?
	FILES := ('setup.c/g',)
	# wrong
	FILES = 'setup. c/g'.
20	, sorping
I	

16	Page No. Date:
*	Comments. Priza A. Nichi = FYIT, 140
1000	
*	Comments.
	Comments that contradict the code are
	worse than no comments, Hways make
-	up to date when the code changes!
	Comments should be complete sentences
Ţ	The fixt word should be capatalized
	unless it's an indentifier that begins
1	With a lower case letter.
1	Block comments generally consist of one or more paragraphs built out complete
	sentence with each statement sentence
<u> </u>	ending in a period.
	you should use 2 spaces after a
1-	sentence ending period in multi-sensements, encept after the final
	sentence.
	Ensure that your comments are clear
	and easily indension dable to other
	speakers of the language you are
	Detron coder from man Parks
	Python coder from non English speaking countries: please wife your comment in English
	unless you are 120% sure that code is not
	read by people who don't speak your lang.

	Page No. Priya A. Nichit FYIT, 140
*	Priya A. Nichit
*	Tur III
*	Tur III
*	FYIT IVO
	Block Comments.
40.0	Mode Comments.
19 2	Block comments generally apply to some
	101111111111111111111111111111111111111
	Indented to the seme land
10/1/1/1	code. Each line of a block on
	simo att and a limble source
	raigraphi mido a black como
(Val)	are seprated by a line centaing a
Action.	single #
*	Inline Comments.
	1780 DOLONG CO-110713.
	Use mine comments sparingly.
	In mine comment is a comment to the
	same line as a statement. In line comments
	should be seprated by attest two spaces
	from the statements. They should stept
-	with a # and a single space
	Inline comments are unnecessary and
.0 5	In fact distracting if they state the
	obvious. Don't do this:
	n = n + 1
1. //	Invenent n
	J Dumery N
	D. I
	But sometimes
-	n = n + 1
-	compensate for border.

	18	Page No. Page No. Page No.
	*	Documentation Strings Fytt, 140
	A	Conventions for writing good documatations Strings are immortalized in PEP 257 Unite docstrings for all public modules function, classes, and methods Docstring are not necessary for non-public
	3	method, but you should have a can ment that describes what the method does. The comment should appear after the defline. For one liner doestrings, please keep the closing """ on the same line
-\- -\-	21	parrot."
	2.31	Naming Conventions The naming conventions of python's library are a bit of a mess, so we'll never get this completely consistent—nevertheless, here are the currently
		recommended naming standards. New modules and packages should be written to these standards, but where an enisting library has a different style, internal constancy is preferred

la l	- Popular in the control of the cont
20	Page No.
	Date:
10.00	Priya Ashok Nich
	FYIT, 140
$ \longrightarrow$	Prescriptive: Naming
	Conventions.
	Names to Avoide
L. C. A.	Never we the character ", o', 'ks sind
]	Character variable names. In some for
	these Characters are indistinguishable
	from the numerals one and zero
ļ	When tempted to use 'I use 'I' instead
_	
•	Aser Compatibility
ļ	Indentitiers used in the standard library
	must be ASCII com nathla a decidad
	in the policy section of per 3131
la la	Package and Module Names.
	Modules chould have short, all-lowercase
	names. Underscores can be used in the
	module names if it improved readability
	Python package should also have short all-lower-case names, although the
4	use of underscores is discouraged
4	is cuscouraged
+	Class Names
1	Class names should normally use the
	CACACACACACACACACACACACACACACACACACACA
7	The naming convention for functions maybe

010	PRODE -
d'a	Page No.
	Date:
	China 1 Aval.
	Priya A. Nichit
	The 100 Part 140
	The naming convention for functions
<u> </u>	maybe used instead in cases where
	the interface is documented and wed
11	primarily as a callable,
. L. l.	
6	Trum Marchalla Az
	Type Variable Names.
	Names of type variables introduced
	in PEP 484 Should normally use
4511	Capwords profesing short names. T,
(2)	Anyth Nim.
100	- smann tade the see
	Carrotica Nome
	Passer a Conscion Should be Classe
	Because enception should be classes,
**//Ag/	the class naming convention applies have
	However you should use the suffin
	"Error" on your exception names.
•	Global Variable Names
	Global Variable Names. Modules that are designed for use via
	from M mport * Should use the all-max
	from It wiped Stillar all in 199
	to prevent enporting globals on use
	the older cenvention of prefiring
~	such globals with an inderscore.
~	
~ 0	Function and Variable Names
	Function names should be lowercage,
2	with words separated by underscores.
	Will will be to be the second of the second

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	Date:
1.1.111	Priyon A. Nichil
	F417, 140
- 4	as necesary to improve readability.
1 - 1	Variable names follow the same conver
	as function hames.
-2	mixed case is allowed only in contents
**	where that's already the prevailing of
1	to retein backwards compatility
•	Function and Method Arguments:
7 .	ducage use self for the fixt Argument
	to restance mothers during a
	to the first argument to class methods
	significan argument's home claibs
A Second	with a reversed beginning of the
	better to append a single trailing indegue
	somer than use an abbreviation or spelling corruption.
<u> </u>	
1	Constants.
	Constants are usually defined on a
	module level and written in all corptial letters with underscores
4	sparating words. Enample Include
1	MAX-OVERFIOW and TOTAL
1	
	· Public and Internal Interfaces
	any backwards campatibility guerenter apply only to public integacy. Acc.
	miregaey, rice

1	
23	OM spaq) Page No.
	(Date:
	Priya A Nichit
	Tuit Iun
	Public and Internal Interfaces.
59	any backwards compatibity guarantee
	aply only to public interloces. Acc.
	it's important that users be able to
2	clearly distinguish between public and
	and internal interfaces.
-	
•	Programming Recommendations.
	Code should be written in a way that
-	does not disadvange other implementations
	of python.
	Sequences use the fact that empty
	bequences are false
,	# correct:
_	if not seq:
	if seg.
	#
	if (en (sag):
	if hot (en (sag):
	Don't compare boolean value to True one
	Felse using ==
	# Correct
	if greating:
	- Joseph
e	# wrong
	if greeting == True

24.	Page No. Date: Date
1 4 . 4 .	Priya A. Wichel
	F417, 140
*	Variable Annotation.
12/02 0	1 1- 0 1000
<u>~•</u>	Annotation for module level varibles
~	class, and instance varibles. & local
	varibles should have a sigle space
1	Those should be no space before the
0	colon.
	COLUMN .
*	Referencese
~	Barry's GNU Mailramo style guide
	The Toyon
-	ponald knoth's The TexBook, pages
<u> </u>	195 and 196
	Typeshed repo
	Typestus syst