Week 05 032-333 Saturday of python programming language -Cruido Van Rossum - Creator of Python Python is a high-level, meexpreted ejeneral-purpose programming language Why it is called python? fruich named it after his favourite comedy h series from an old BBC television called "Monty python's flying circus Timeline y Python's History: 1989 - (Birth of python)
fluido started thirdo started working on python during christmas Holidays in December 1989. 02 Sunday 1991 - First official release (0.9.0 Released) -features - functions, exceptions, modules, Strings, lists and basic Ito. S S M T W T F S S M T W T F S S M T W T F S S M

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 *

Python 2.0 (List comprehension, Garbage collection)

2008 - Python 3.0 (Improved Unicode Support

And) simplified Syntax).

2020 - Python 2 Proled (officially discontinued on fan 1, 2020

present - (python 3.2) 3.10, 3.11, 8.12, 2.13, 3.14 e ongoing.

Continues to be popular in web development, data science, AI, ML, automation + education

Python Today:

One of the most popular programming lang.

Used by tech grants like frægle, You Tube, Masa, Masa, Dropbox & more.

SMTWTFS SMTWTFS SMTWTFS 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 2025 9 10 11 12 13 14 15 2 3 4 5 6 7 8

Note pad not an IDE NOTE: Ana corda, not an IDE HELF, His a plain text editor but a python distribution ey. no debugging took 2025 FEBRUARY IN TOCHOLES DE like Tuesday 2. IDE in python. 035-330 IDE - Integrated perelopment Envisonment It is a sophwore application that provides tools to write, test and alebug python programs easily. 11 Main features of an IDE: Features purpose 1. Code Editor

1 2. Syntax Highlighting White oxedit python code Colons for keywords, Variables 3. Auto- Completion Suggest code white typing A Debugger Helps to find & fix evors 3 5. Output Console Shows program output 6. File Management Manage e save multiple files. Popular python IDE's IDE Name Description. 1. IDLE Default DE 2. Pychacm Powerful & feature - rich (jet Brain) 3. Vs code Light weight editer with extension 4. Jupyter Notebook Best for Datascience & ML 5. Thorny Simple IDE for beggners
6. Spyder Popular in scientific computing. FEB S S M T W T F S S M T W T (IDE helps you write better python code faster with ten enox, esp. useful for beginners a profesional alike

_	- In	python,	tokens	are the	Smallest	units of a
9	program that		have meaning.			0

- It is a basic building blocks of python code

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12

Types of Tokens:

1. Keywords:

- These are reserved words that have

Special meaning in python.

- cannot use them as Vaciable names
 - hower case except True, False

if, else, elif, white, tox, break, continue, def,

seturn, import, class, True, False, None

2. Identifiers:

These are names given to variables,

functions, classes.

Rules:

* Must start with a letter (A-Z) or (a-Z) or

(-) Underscoke

* Cannot start withou number or symbols (except - Underscore)

* cannot used reserved keyword.

* Can contain letters, numbers and underscare.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 2025

MARCH

APRIL

Week 06 037-328

06 Thursday

TUDES:

3. Literals: constant values assigned to variables.

exal Type kring teger	"hello", 'hi"
0	
1	(0)
pat	3.14, -2.5
olean	Thue, False
Ne	None.

2 Operators	: Symbols that p	Variables or values.
Type	Example	peseuption
3 Asithmetic	+,-,*,1,11,1.,**	Morth operations
Assignment	= ,+= ,-= etc.	Assign Values
Comparison	==,!=,>,<	compare values
Logical	and, ox, not	Logic operation
(Bit wise	٤,1	
Membership	in, not in	check membership
Membeuship	is, is not	Check membership
JOS NO MONTE	so salesan alla	Check memory identit

2025					FEBRU	JARY
Week 06 038-327	4. Doct		,		Friday (
	Data	types	define	the t	kmd of value a	2
9 vakia	uble ho	ids.		and a	-	
Integrals .			97	1 2 1 7	4.7	
10 B	wtt-in	Data *	Types in	Python		96.4
11 1. 7	Vumeric	Туре	3	topod	N W Asses	A
	Type			ne "	pesexption	
12	int		10		Integer numbe	us.
	float		3.14		becimal numb	eks
Dalay o	comple	Kep.×	2+3		Complex numb	
S. Santa	se han					
2.	Text Ty	ipe				
	Str		"hello"		Test stong	
			100	Openal	- In the section of the	7
3. B	boolean	Type	ent selection		II ISSUE	
	bool	0	True, -	False	Pepusents tru	th valu
Zailez.	3 3447		av on	Local	watchs -	
	equence					
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31755 Y			1, 2,3	_	Ordered, unch	
	range		range (Sequence of n	•
1 - umpo o	idea N 1	3	auan'	must 5	no ton	
P WRAS	The room		used store	21 2421		
S M T W T 2 3 4 5 6	F S S M	TWTF	S S M T			M MAR 2025

08 Saturday

Week 06 039-326

) Saturday		039-326
	5. set Typ	es	ust but itself its
9	Type	Example	peseuption
10	set	\$1,2,33	Unoxolered, no duplicate
	6. Mapping	Type	
11	dict	9"name": "xx	o", Rey-value pairs.
12	Less number	1	4-3
7	. None Typ	el p 8	- Abad
1 ~	None Type	None	Represents no value
	U		ox null value.
2			Sapr sarr e
	251032 F	'bello" 'te	- Starten
3 5	. Membership	Operators	
	- used	to test whether	ner a value is
4 PK	esent ma		lood
5	- Ketus	ns boolean v	alue (True or false)
00 5111	Opexatox	Meanin	Example True 1. 'a' in "apple"-twe
7.3	nday in	Returns	True 1. 'a' in "apple"-true
down	a 18 sources	if value is pre	sent 2. 7 in apple - false
	not in	Returns Thue	if I. 'a' notin apple - fake
		value is not pre	sent 2. 'Z' not in apple - True
EB S 025 1	S M T W T F S 2 3 4 5 6 7 8	S M T W T F S S M 9 10 11 12 13 14 15 16 17	T W T F S S M T W T F S S M 18 19 20 21 22 23 24 25 26 27 28 * * *
F- 3	Value of the second		20 21 20 21 20

9 10 11 12 13 14 15 16 17 18 19 20 21 22

23 24 25 26 27 28 29 30 31

Week 07 Tuesday 8. Convert a= 154 to meger. 042-323 To convect a strong to an integer int () function # This is a string inquoter a = 154' b = int (a) # convect string to integer PAINT (b) 11 # output 154 Print (type (b)) # cclas 'mt'> 9. Output: hello hello hello hello hi hi hi hi Print ("hello" * 4 + hi * 4) output coming without space. 4 10. Write Programme for the output: Name: RC Total: 453 27 Average: 90.6 Tamil: 88 93 English: Math: 100 Science: 82 Social: 90 S S M T W T F S S M T W T F S S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 *

Wednesday

12

Science = 82

social = 90

total = tamil + english + math + science + social

average = total /5

Display output

paint ("Name:", name)

pant (" Age:", age)
pant (" Tamil:", tamil)

pant ("English:", english)
pant ("Science:", science)

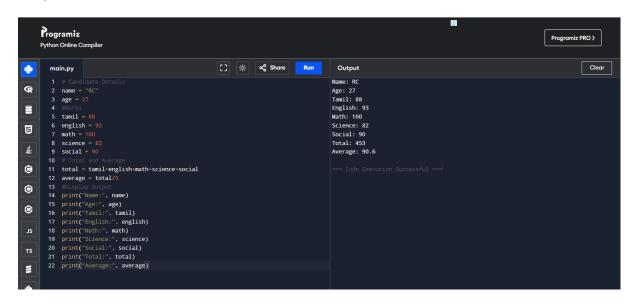
pant ("Social:", social)

punt ("Total:", total)

Pront ("Average:", average)

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Programme code



String to integer

