Data Science & AI & NIC - Param

Python-For Data Science

Language Fundamentals

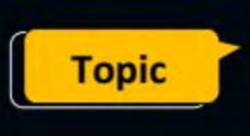


Lecture No.- 01

Topics to be Covered







Language Fundamentals - 01





Topic: Language Fundamentals



O Easy to learn

Print ("Hello")

Guido van Rossam -

Greneral Burbose high level brog language

Python

- 1) funct. frogramming c
- (2) 00Ps C++
- 3) scripting long beal & she'll script
- (9) Modular brog. Modula-3

Syntax

C & ABC

- 1) Desktop application
- (2) Web application
- (3) DB "
- (4) N/w 11
- (5) ML
- (DA
- (F) IOT

1) Simple & easy to learn

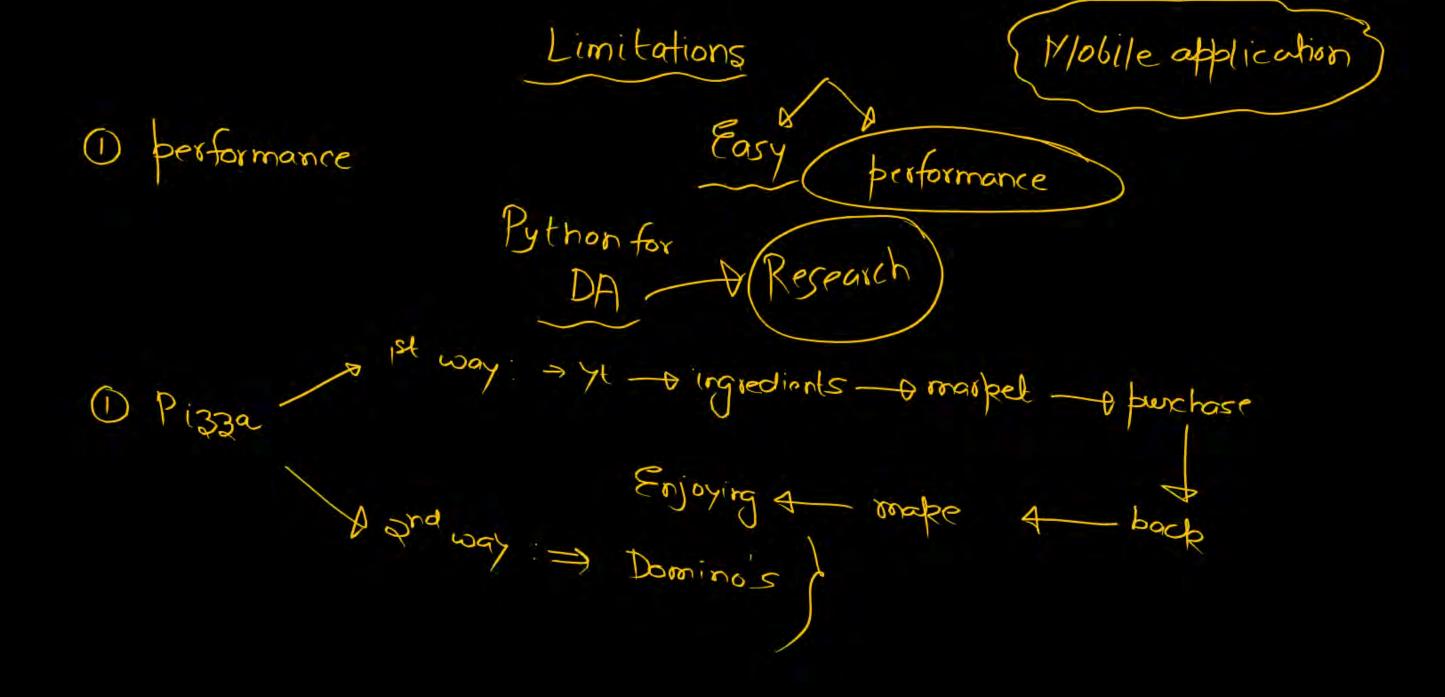
Py-thon org

2) High level.

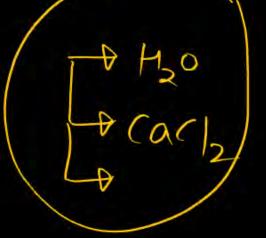
3) Freewore and Open source.

int c

- (4) Blatform andependent
- (5) Dynamically Lybed
- 6) Procedure oriented, 00Ps
- (7) [Interpreted]



Voriables
$$\begin{array}{l}
Abc = 10 \\
Abc = 20 \\
ABc = 30 \\
ABc = 40
\end{array}$$



O can not start with a digit

labe = 10 Invalid

abc = 20

Ramayan = 10 V

(2) Cose sensitive

Mango.

Reserved words (Reyword) latest version
3:12

LOR ort 2023

private van

DOPS

Dala lytes 0 to 3 lecture (8)
Mechanical

+ Screen x

Fundamental

- (i) int
- 111) float
- (iii) String (str)
- (IV) boolean (bool)
- (V) complex

CS & binary

Adecimal

Poctal

Heradecimal

1.2×103

$$\rightarrow 1\times2^3+0\times-+0\times-$$

$$(3+4j)(2+5j)$$

 $6+15j+8j+20(j^2)$
 $6-20+23j$
 $3-14+23j$

True False Internally

10<20

A True

Description

A False

O

a = 10 < 20 print(a)

a = True + False a = True + True a = False + False Paragraph

Python & So class

I guestion

9

Stoing 5

chardala type

$$S = \text{Pankaj}$$

$$S[0]$$

$$S[1] \Rightarrow a$$

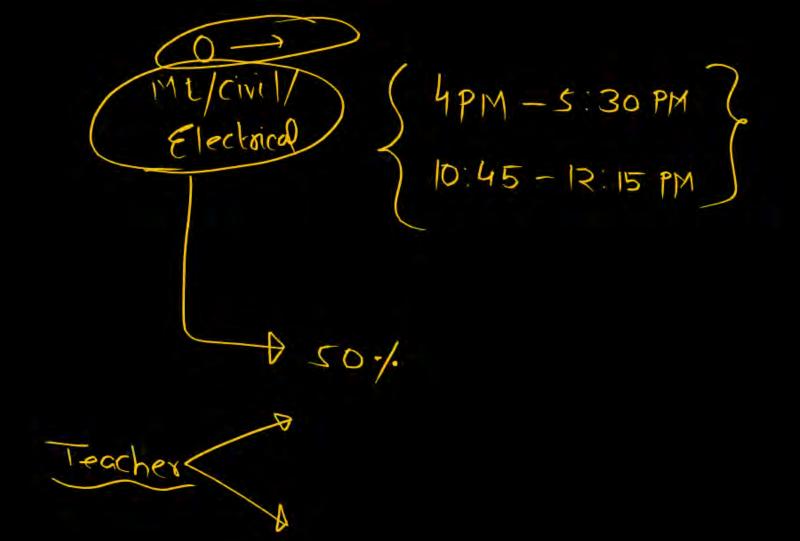
$$S[5] \Rightarrow j$$

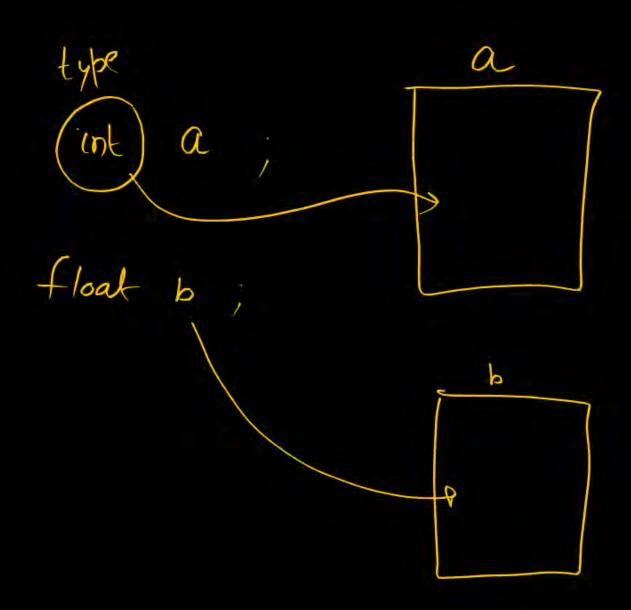
"welcome to Pankaj's world of fragramming"

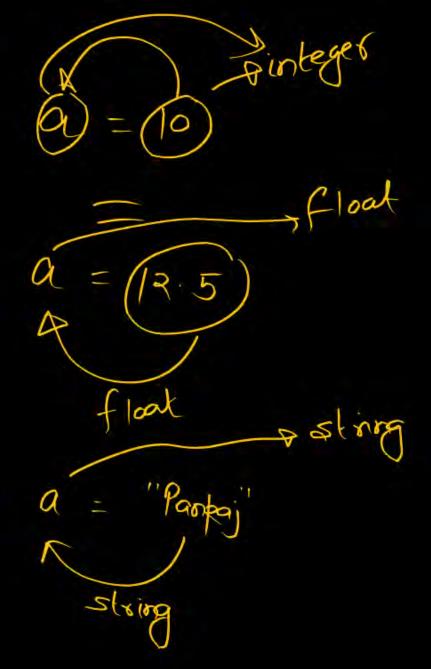
Everyone "welcome"

Multi-line string

t. me/PwpankajsisP









THANK - YOU