~~Python~~

Python

Definition :- high. level. Interpreted. Object Oriented called as python.

Features :-
1. Simple syntax / easy to learn
2. Liabraries
3. Open Source
4. Platform independent
5. Less memory.
6. Execute faster Compare to some programming

Application of python.
1. Web development
2. Mobile app development
3. Machine learning / Deep learning
4. AI
5. Cyber security
6. Graphics
7. IOT
8. Automation
9. Desktop app development

Comments :-

They are part of code by they wont consider in execution time.

Two types :-

1. Single line comment :-

It is represented by #

Eg)- # my 1st program

2. Multi line comment

It is represented by ''' ''', ''' ''' or " " " " " "

Key words :-

They are reserved words used for particular task and they cannot used as identifiers. (variables, function name ...... etc)

Eg :- True, False, for, if, else, while, break, try, wait, catch except, finally

Variables :

Variables are used to declare some value. [It is a place nee store out ved our values]

Ex: a=5 when a is a variable 5 is value

Eg :- Take 2 inputs and do sum then multiply that sum with 10 then divide that by 5.

a = "5"

b = 7

S = a + b

m = s * 10

d = m/5

Rules.

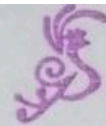### Valid Variable declaration

a = 5

A = 7

num = 11

Num1 = 89

NUM2 = 15

empid = 123

emp_name = " Meghana " or ' Meghana '

Invalid Variable declaration

Should not start with the numbers. apart from underscore we should not use

any special characters

→ No space between variable.

Eg :-   1n = 35

Stu# name @ = "arun"

Stu id = 345.