1) simple syntax | Easy to learn
2) libraries (Euseything is greadymade)
3) open source (friely usable)
4) playour endependent (we can use in linius; suidous google etc)
5) Less memory
6) Executes faster compand to Some Programming. Application of python (where we can apply).

1) web development 2 Mobile app development
3) Machine clearning / deep learning
4) AI
5) Luber on 1 5) Lyba Security

6) Graphics 1) To T (Internet of things) 9) Desety app development. 41925 Comments- is fixed to Emplain. The Code how its They are part of code but they wont Consider in Execution temo 2 lypes of Comments 2) rulte line Comment :- Presented by \$

Eg: a=5 Key words: They are nerved words used for particular task and they can't be used as identifier (Variable, function mone Etc.).

[x: True, False, for, if, else, While, break; Try Exact, Cosh Except , Finally, etc. Identifies nothing but identifying the name

Jo Variables, Junition in user define furction

Variables: - It is place to store our Values.

for eq: The add Store on million by for eg: we add 5+5 and multiply by 2 we need to write the number again and again. so instead we can give Value due a=5 Sum = atb : 65 : 10 - bes volue. Conditions for Variable.

Nalid Variable declaration we can use any belo a=5 A=7 Num 1 = 89

Num 2 = 15

empid = 123

emp_name = priyanka: or priyanua

-emp-no = 9123456780. num = 11 Invalid Variable declaration: le shoul not stort with numbers, and april from - Can't Use any special Characles. The beliow Cast be

In = 35

Used and not Kalid means

Envaled Careable declara

Stu 1d = 345 Date types: - Its pre defined Component and specify the data Calegory

Ouvery always - decimal (flood)

Date page

Date type to we like Sque

Dob = us don & have direct date type to we like Sque

More String data : cue do analysis, more numerical data

we do calculation. Note: On any number live Adhar number Emp ID. Phone number though iste Int dals type we consider Str' since we don't perform any Calculations name = Stranger and multiple . and Ph.no = Str Cnot Int since no Calculation performed

Age = Post

salary = float | since deciral

leight = float | since picture

treight = float | Comes into picture Far food = Str Phython date ligner (municipal datebox

Int

Complex - Real Dr Imagin (55+8)

Bool (2711. Bool (grue or false) 31 = SMUM SCI - Lights Special data types (Data Structure) Sette towards on wardenlook oldered Edmind (diet (dietionary). the any special Overaller, The Labor Cade Times Toher we worte assign mulliple l'alus in same line Tollow the below : 1) a=4; b=6; C=7 Da, b, C = 4, 6, 7

1= whole duision with decimal classmate Date Page Input and Output function:

Input: Anything Output we have from the wie.

Input: Anything data we give the wer or

duplay it: print(). Examples for output function Print ("Heelo good morning") Input function: we are taking date from
the wer So need to store in Variable before

performing function.

a = int (Inpur) (enter a numbe"))

U enter a number 7 promat to give name
with (Conditional electronolis. Agree of frage 3.0.5 x b.x h.

Derators: (symbols to perform Calculation Buthmetic Operators = + , -, *, 1, % 1/3 1/3 Pelalional Operators >, <, >= , <= ; == 1: a B AND OR