31/7/22 phyton extension for Visual Studiocode (Package Installer for Phyton). PIP - Installing external packages in Phyton -> pip -- version - pip install tensorfion - New file - In Day 4 ->"modules py 2) camel case py 3) variables_haming . Py 4) Global-Variables.py Co program / camel case Pip install camelcase HELL TO SO DO DO A THE THE silitar of the six to to to the ten one of REPL -: Read Evaluate Print Loop. Use of Repl. python (even)) PARA () 7772+3 7770=10 777 b= 5 777 0 7 6 50 777 - 63 - 140 100 . 50 (1 But 11+) tain exit() -> To come out from interpretes

Variables - Is a container to store data & memory location to data values
container to stor values.
Variables - Is a container to data value
Types:- Types:- Outside function. 1) Global Variable - Outside functions Inside
- 1) Global Variable - outside functions Insid
- 1) Global Variable - Outside functions Inside - 2) Local Variable - Methods / Junctions Inside - 2) Local Variable - Methods / for that much
limital scope
The cost Unfacts of
- 2x3 - 4 Variables Output: - 5 Shiv
= "shiv"
- point (y)
x="Yogita"
- Luce Castine
ex: - # Typecasting Type Casting is a
x=str (10000000) # x will way of changing
×=9tr (10000000) # x will way of changing be'10000000' the data type of variable
y = int (1500') # y will be 500)
z = float (500000006600)
and the same of th
Payn+(x)
print (y)
print(z)
0.1.11. 1000000
Output: - 10000000.
50100
checking the datatypes of variables output: - xype
" Circuit Circuit
Print (type (2)) Variables Output: - xy Print (type (2)) < class 'str'> Drint (type (4)) < class 'intro
print (type (4)) < class (str)
Print (type (2)) \(\text{class 'str'} \) Print (type (2)) \(\text{class 'int'} \) Print (type (2)) \(\text{class 'float'} \)

```
# checking the case 5 ensitivity
                                          output :-
  X = 1000 # This_is_a_capital_X"

point (" Small X = ", x)
                                          Small x = 10000000
                                          rapital X = This is
   print ("capital X = ", X
                                           a-capital-X
      Rules for Variables -
     There should be no number a starting er 18 you
 ->
 ex: - # Variable haming rolles hames hyvar = 'shiv'
     my_vor = "shiv"
     . my_Var = "Shiv"
     myVar = "Shiv"
      MYVAR="Shiv"
      myvar 2 = "Shiv"
                                    CONTINUE - PURISHED
     #Invalid variable
                            names
        2 my var = "shiv" starting number not award

my - var = "shiv" symbol not award

my var = "shiv" space not award.
 # Assigning Multiple values to multiple variables.
ex:- a = 50; b = "ABE"; c = 5.45
col1, col2, col3 = "red", "orange", "green"
    Print (col1)
    Drint (1012)
    point (col3)
output ? - red
       Orange
                            THE NEWS AND AND
           Green .
```

# Assigning one Value	to Mutiple Validates
Col1 = Col2 = col3 = ")	lenow"
print (Ot1)	V L Y AND THE WAY AND THE
1-1 6	
Doint (CO13)	TOV TO POPULA
Output: - Yellow	at white
	N. S.
yellow.	
# Assigning values from	m 13t to Variables.
Drint & Values Jou	from list to variables")
Print (" Assening Values Colours = [" yellow", "Gira Col 1, col2, col3 = co	een" "Red"]
COI 1, COI2, COI 3 = CO	plours
Print (col1)	THE PROPERTY OF A VENT OF A STATE OF THE PARTY OF THE PAR
print (1012)	SANCE SANATA
print (col3)	Villa Ynypal
= yellow	
Green	
	slabilov hilbright
the Day word and Day 2	"vile" = myprase .
# Multiple variables in a	A CAMPAGE TO THE RESIDENCE OF THE PARTY OF T
A SECOND STATE OF THE SECOND	t lating to the control of
$\chi = "shiv"$	x = 1000
Y = "is"	y= 10
z = "a wesome"	print (x+y)
Point (x+y+z) Point (x,y,z)	7 3 105 1 105
The state of the s	2 ≥ 100
output: Shiv is a wesome	y= "shiv"
Shiv is awesome	Print (x+y)
	1 error

Global Variables - Used by everyone, both inside of functions 4 outside ex:-Name = "Shiv" def myfunc (): print ("My hame is " + Name)
myfunce) · myfunce) output:-My name is shiv posted the their salven (1)3 pall (2) months 2 2 2 1 1 1 2 2 Sit = in 7" Lagitt Sital ested Trasaul Handel rideancount (1) C23401