	we have learned about Basic Modules
	program - mod way mod to
	protects admin
0	
Latub	3. 111 program for importing modules 111
	2. Import 05
170.00	3. import tensorflow
0	4. print (« using Modules!")
	equited files
	Wing import Statement-
	DUADOM MODELLO
	· import < module_Nome
	· import < module 1) , < module 2) < module
	and here to access a particular method
	from any module
	module Name. function Name()
	for ex-
	import (math) + (modules)
	math. Sq rt (144)
	output - 12.0

here as module means

operating system module and it is provide functions for interacting with the operating system.

* Tensorflow module.

Open source intrary for muerical computation & we can handle large data with the help of transflow module.

* comel case module.

brodram : -

- J. " program for importing a module "1"
- 2 import camelcase
- 3 c cache rase camelcase ()
- 4. +xt= "have happy thoughts: 11"
 - 5. print (c. hump (+xt))

This method capitalizes the first letter of each world 5.

convert strings and dictionary keys between camelcase

camelcase means -

all start with capital letter.

*	variables => used to store values
300	provide torchers. For micronisca . win d
	No command for declaring a variables
	variable is 7 for ex=).
	created as soon
etua	as we assing 1 X = 5 # Here x is type of
	orvalue to it
	y="RAM" # Herr y is
	type of string.
	stopon 9400 smoo
	Their are some rules for declaring variables
	1) V. name must start with a Letter or underson
	2) cannot Start with Number
	3) ony contain-alpha-numeric, character
	undersomes (A-7, A-9 and)
	4) V. names are case sensitive (age, Age
	and AGE are 3 diff v)
	5) con't be space among variables. Name.
-63	Basic program -
	E place dobs de
	1) X = 5
	2) Y = ABC
to	
	H) print (t)
	5) X - 11 XYZ''
	s) print(x)

variables Naming program

- 1 111 Program for valid and invalid variables named 111
 - # valid variables names
 - Myvar "HELLO !!!
 - my var " HELLO"
 - my var = "HELLO"
 - my vor = "HELLO"
 - MYVAR "HELLO" 7.
 - myvara = "HELLO"
 - print (myvar)
 - print (my var) 10
 - print (my var) 11)
 - print (my Var) 13
 - print (MYVAR) print (myvarz)
 - # INVALID variables names
 - 16 2 my var = "HELLO" } Here start with Num
 17 my var = "HELLO" | Here dash con it allowed
 - - 18 my var "HELLO" & Here space Not allower
 - print emyvar)
 - print (my=var)
 - 21. print (my var)
 - 22 111

2) case sensètive variables

It Just Take care aboute oppercase and lowercase.

the output will not create

program.

- 1) * a = " Small a"
- 2 A = " CAPTIAL A"
- 3 print (a).
- 4 Print (A)

OUTPUT -

SMOIL A

THUNKS .

& check Datatype of variables

- I " Program for checking the datatype of the variables "
- 2 X = Str (100000)
- 3 Y = int('500')
- 4 7-Floot (5000000)
- 5 print (type(x))
- 6 print (type (4))
- 7 print (type (2))

Output

< closs 1 str')

< class 'int' >

< class | float | > = |

* Assigning-values Program for assigning values to the variables B & Assigning Multiple Values to Multiple Variables -9 - 50; b - "ABC"; C - 5.45 print (a) 3 print (b) 4. Print (c) \$ 1 cold &; col2, col3="red", "orang", "gree" of Here 213100 407 (combinly assign 2 print (colt) Print (col2) print (col3) Assigning one value to multiple variables 1. coly = col3 = "Yellow" 2. Print (coly) 3 print (col2) 4. print (col3)

- Assigning values From List to variables
- * 1. colours = ["Tellow", "Green", "Red"]
 - 2. print ("Assigning values from list to variables")
 - 3. cold, col2, col3 = colours
 - 4. print ((011)
 - 5. print ((012)
 - 6. print (col3)
- Multiple variables in one statement
 - J. X = " Have"

 - 2 Y = " Happy"
 3 Z = " Thoughts"
 - 4. print (x+++z) & (combine words to sentence
 - 5 print (X, 4, 7)

but output

Have Happy Thoughts Have Happy Thoughts.

PAGE NO.	
DATE:	

IN case of it operator

X - 100 Y-VABC" print (x+y)

output

100 ABC

Global variables

- That are created outside a function can be used by everyone both inside fun and

- program outside of a fun.
 - L X = "Propoli"

 - 2 def myfunc():
 3 print ("my Name is" + x")
 - 4. myfun(1)

Output-

my Name is Pronali

· program - inside a fun

X = "Pranali"

J. X = " cold"

2. def myfunc ():

3. X = " Sweet"

Print (" icecmam is" +x)

5. myfunc() p

6. print (" icercom is" + x)

output - post icecreom is cold icecmon is sweet

also we the global keyword if you want to change global variable inside a function

1 X = " cold"

1

o. def myfon(1):

3. X global X

4. x = " Sweet"

5. myfun(1).
6. print (python' icecmam is "+x)

output

-python is fantas icerram is sweet

Type casting

used to convert the variable data type into certain data type

- X 1. 9 7
 - 2. print (type (a)):
 - 3 b 3.0
 - 4 print (type (b))
 - 5 c = a + b
 - 6 print (c)
 - 7. print (type(c))
 - 8. d-0 % b
 - 9. print (d)
 - 10. print (type (d))

output

- < class lint's
 - < class 'Float')
 - 10.0
 - < Class 'Float')
 - 21.0
 - 1 class Floot'>

X Task

2 2

- (1) Type casting int to Float
- (2) Type casting Ploat to into due date-Briday | 5/8/2022