* Introduction to Modular PROGRAMMENG:-

So, here are built in modular function which helps in lots of things. [Ex:-Libraries]

Eg!- import math import pygame in part os

impost math

~ Print (math.Pi)

>> 3.14 1542653589793 So, his will gives the value of T'

Vimport math

print (math. degrees (math.pi))

Print (math. nadions (60))

>> 180° 1-0174326

> Creating your own modular function

So, for that you have to open a file in the same directory,
where you are running your python commend.

And, save that file by that name, which you will give
to your module.

Lots do that:—

row, open a file & save as my Modules. Create a functionin that one.

dels afunc (*x, y):

Z = x * y

return Z

dels bfunc (a,b):

c = a% b

return c

Now, some this like & go back to old one.

Vimport myModules

print (myModules - a func (10,8))

print (myModules . b func (11,2))

>> 80 1

```
* Optional Parameters:
y [More advanced function]
         func (a, b='123'):
   dels
          print(a)
           if b==123:
              Print (" Nello Coding, welcome hooge")
           else:
              print (" Nello Pymon")
     JUAC (2)
        nello Cowing, welcome Google
   Now if I will put some another value in function then it will change the value & that's what we called optional parameter.
      Letis do it by on some above exemple.
 * def func (a=5, b='123'):
          print(a)
          if b==123':
             print (" Nella Coding, Welcome hoogle")
              print (" Nello Python")
    franc (100, 200)
   >> 100 Nello Python
```

(Error Mondling)

```
tent = ipput ("Enter Usernome:")

tay:

number = int(text)

print (number)

except:

print ("This is not a Usernome")

fent = ipput ("Enter Usernome")

a = int(text)

print(a)
```

Enter Username: abcdet This is not a username Enter Username: 12345

Sos if you put stringin lirst time it will show u a message & tell you to again type a Usliname.

& GLOBAL VS LOCAL VARIABLESS-

Local Variables are mose on which are defined inside the functions. Exmple:-* var = 8 . loop= True del Func (x): new Var = 7 print (new Var) il, x==5: return new Van Func (2) >> 7 Inlobal Variables are mose which are not defined ina function. Gx ample:van = 8 (=> These two are blosal variables

van = 8

loop = True => These two are hlobal variables

def func (x):

newvar = 7

print (van)

func(2)
8

Now, how to change a blobal Variable inside a function:

re loop= True

dely func(x):

global loop

loop=100

func(2)

print(loop)

>> 100