

Topics Covered:-

OOPs Tutorial

Exceptional Handling

Python OOPs :- Inheritance

Magic Method class

Python Generator Vs Iterator

Decorators

	OOPS Tutouid in Python
	Class -> Real world object
	those arributes of features }
	Junctions like car is used for during.
	5 Correwindows = 4 } features
	The state of the s
<u>+1</u>	Peroper way of defining class
	class constructed of directing the object
	def_init_ (self, window, door, engine = type):
	SUF. Windows = window
	suf door door
	sef. enginetype = enginetype
nekor S	cor 1 = Cor (+, 5 , "pelsol")
	print (cox 1-window)
output	
-	the parel was a survey of
	Exceptional Hendling
#	Aug: Difference byw error and Exception?
	Michigan Company against a section of the first transfer of the section of the se
	Trug:
	It code block where exception can occur
	except:
	punt (" some publing may have occured")
*	we can write what we want to show the maked of
	eason to maintain theodibility.
	for ex: (i) Nome error
	(ii) Zuro divicion error
· Lunda	(11) Invalid Syntax
	so that this give good muning for user.
	No. of the second secon

```
for a Custom Exception
      Class Error (Exception):
      Class dob Exception (Prior):
      class custom generic (Error
      year = int (input ("Enter the year of Birth"))
      if age 1- 30 and cage >20!
      elee.
        Haise dob Exception
   except alob Exception
       pount (" The year age is not valid")
      Python oups - in quitance
                           Is enhanting features from parent
      ## Blue Point cor
      class cor():
         def _init_ (self, windows, doors, enginetype):
             self-window = windows
               self doors : doors
               seef enginetype = enginetype
           def duve ():
               punt ("The Person drive the Car")
     car = (4,5 "diesel")
     cor. dure()
    class audi (car):
           def_mit_ (seef, windows, doors, enginetype, enableai):
from parent super(): init (windows, door, enginerype)
e loss: self. enableai: enableai
```

	Pymon oops - magic themas in classes
-31	Take some blue pust of cor
neuti:	C+ Cer (4,5 . "Dien!")
	4 main car at Dx2hataq2
	air (c)
*	the automotically colling methods or its just initialising magically.
	Python Assurt
	expulsion is true or False. Program execution proceed only if true or False. Assertion Error when it is false
	10>=10
	Time 6 with order to the things
· A	num - 10
	assert num >=103
	Time of the state
	Rymon exercistors Vs Thurstons
	# Gren enchor
	def equare(n):
	for i in sengern): ex a: square (3)
	hitching 1+42 a privrides location
	The Villa is to the state of
	This basically is creating Herotore => next(a)
	It is generator object onext (a)
,	To weate version we use iver () and to generator we

	Page U
	Yelde sove or store bed variable.
	generator in python heep us to write code fast and compact
*	Python iterator a much move memory efficient.
	ANTONIO POR ANTONI
	Python Decoratous.
	# Function copy
1	T closures
	# decorabile
	def collegne ():
-	Fichery " Hi Howare You?"
William E	and the state of t
	wid = wilcome () & Basically there capying is done
	del Evelcome
output	Hi How are you?
1	Experience to the second desired to the seco
	# Closulay:
	when we write function inside function is collect
	closure
- =	we can accell entwitt function from parent function to
	sub function
_	Rython Duonatory
~	def main-welcome (func):
~	def sub_welcome_closs():
	brant ("Melconie")
	Funt ()
	Punc ()
	morning sub-welcome -class()
N AL	Class()
	def channel name ();
	punt ("Aniker")
1	