1 May 1 lython Barics Praise-amount = 1.04 > obj 3 creates instruct e) Claus competition: det -- int -- (self, name, price): \_\_\_\_\_ instance variable. self. name = name self. puil = prill. det haire-price (self): celf. price = self. price + Competition, raise-amount. Self naise - is not declared in the instance you need to we class. 2) Every intome has in built special attribute. special simulation . - - dict -
Special simulation . - - dict -
attribut => ('name': 'simulation', 'prize': 104.0) Class variable & function not present in decliony

0) Clave also has qual did = Competition did
here all the function & class variety
i also change all
a) Change made to class is will only change that instance instance will only change that & change made to instance will only change that & change and change and change and another than change and a subject the accessed outside class which is generally be accessed outside class which is generally be accessed outside class which is generally have in JANA data encapsulation (where data not frue in JANA data encapsulation classical class) is not available outside class) inside class is not available outside class.  Similation name = "smd"  Cimilation name = "smd"  Cimilation outside & changed outside.
So that no one can change of private.

\_\_ init\_\_ (self, name, prize): Self. -- name = name Self = - prize = prize now it can read from outside but SI = Compellion ('Vilo tour', 25) canno t be chanaged SI. name = 'Lo1 tour' 7 SI. -- dict -
> (! competion -- name: "valotour";

- competiion - prize: 258;

- competiion - prize: 258;

- name: ! bot town

- name: " Just private hack => Now \$1. - compelition -- Mize = 300 this will change. but not good practice

the getters & setter. def get-name (sdf): geturm Self. -- name det set\_name (self). return.\_\_name = name a) def -- neph -- (self).

netnan d'(delf.-nomi), [self.-prize]) b) print -> Iwokes string representation of the of def - ita -- (sef):

return f'' {self. -- name? k {self. -- rize?"

another way to repetut

if you we print (debate).

if you we only debate.

1+2 is actually int . - add \_ - (1,2) 0) 51= Saving (30) 52 = saving (26) 0> Clars Savings: det - init -- (self, amount): self. -- amount = amount. det -- add -- (self, other): ownwith

return self. -- amount f

other. -- amount det -- sub-- (celf, other): 9 - not on + return self. -- amout - other. -- amount def -- mul -- (self, rthe): so have to make it so

- mul - is only for float

fleat.

(11) - integes \_- floor div \_ -Hun (%) - integer \_\_ mod \_ -( \* \*.) -- pow --Bailt in class netwody det -- len -- (self): geturn len (self. -- participants) -) name = property (get\_name, set\_name, del\_name). -> Decorator

Setter wary:

Deproperty:

def name (self):

return self. -- name.

@ mame. setter

det name (self, value):

self. -- name = value

Quame deleter def name (self): del self---name-

> Now getter & setter is for instance for class it is called class Method.

-> Class Competition: \_\_ nair - amount = 1.04 -> Class @ class method def get-praise\_amount (cls): return cls. -- raise - amount. @ clars method.

def set\_rain-amount (cls):

setur cls - - rain-amount. soller for class variable better way Now lars Pectangle: @ Shhic method det men (x,y): rehun ney

O) Abstract class

Classes with no nethods

An Bare & derived class??

Abstract Base Class??

2 phanes -> Optimize models other are developed, farter to be practical, optimizing quering, query

Sel & Python -> Production Overy.

Pospark. Lavic. & code.

MLOPS -> Still building Their Stade. La Barie quertions.

Collections Models, Rocovery Models, Basks

Vivele-arked - 2 pro Wellers

C) run parallel 36 nodel recovery, how to recovery, how to optimize nodel inference.

I is easy.

Lifethere is fast.

1) it gan reasert neighbour problem it of the index on the tables.





-> Problem statement.

-> Data -> size, level, id, target variable, defination.

-> preparation -> chearing -> outlier, missing.

-> Analycis -> Univariate, Bivariate

Binning, would an information alue

-> Model -> Benchmark Model, Best Model.

-) Nothice ->

-> Traphilin

-) Notembooks ->

-> Production. ->