OOP	_	10	1

Programming	Para diam	?
		•

Make maggy. => same end

kadhai. result.

1) OOP => Classes and Objects

12) Functional.

Cas Merceda.

L Class. Object

(Bheysint.) (Instance)

Human => diff attributes Common

age, name, > walk

gender, > eat

height

> breathe.

> sleep

class Student peroperties / attribute.

name, age, roll-num

methods/actions.

study, class, solve

4 pillars of OOP
APIE
Abstraction Polymosphism Inheritance Encapsulation
Encapsulation
bringing together all common items at one place.
detet functions
a fr inside class
= 2 called as method,
Abstraction
Only the selevant gelevant = how to drive
info is known. Clutch position, gear,
Coop Jean
how Engines work et =, abstracted.

Construction and Initialisation

- pu-chased a plot of lons.
Build a house
constructer () Free up the space - clear up plot of land
Initializer 2 Allocating the values - creating the house
class Student:
rass
object is s = Studen+C) # (i) Constructed/created
memo sy
5. name = (,
s. age = _
not the Constructor
class Student: Casigns

def [__ init __ (self n, a):

self.name=n

self. age = a

values

	\
	s = 57 tudent (6 Ram a², 25)
•	class Family Person:
	class Family Person:
	class Family Person: definit(self, name, sur-name):
	definit (self, name, sur-name):
	definit (self, name, sur-name): instance variables. \[-5 \] self. sur_name = sur_name
	definit (self, name, sur-name):

class Family Person:

"un-name= "Tanghy" > class variable.

def --init--(self, name):

instance of felf-name= name

yariables.

Pl= Family Person ('Rehal')

p2 = Family Puson (6 Parveen)

print (p1. surname)

print (p2. surname)