object oriented programming
property individual p
behavior - objects
object = person
bohavier: walking, talking, breathing.
in other programming paradigms objects only represent the data
in python oop objects represent the overall structure of the program.
Defining a class in python - class i) instance so invocation oximically
class . The attribute
detinit (self) name, age):, since object, since object
Self. name = name . no coment is interested to the object of the object.
Self. age z age allows access to the attributes
What does all that mean?
step back: primitive data structure: Strings, numbers, lists _ i i i vier ~ [u/s.c.) 5elf
از انعای دارم فاری نیم ، طالد و توسیم سرای کارهای primitive و متم استفاده مرد.
العام ما مراح ما مراح الما في العام
من م ^{را} لی دارد.
iens ostent lactors ; I and more managable - in up
method in class us function in
isos contain / real som viole class il a In ul object instance
init = gets the initial state of the object by assingning
The values of the object's property. Dinstance attribute us attribute
instance _ ne de pro con control o mit() so ne contribute @
ال ماج (: ۱ مانور به ما مربوط م مربوط م ما مربوط م على المانور المانو
(with same walve) [module is a python file that contains python code, such as varions, functions, classes]
instantiating a class in python:
creating a new object from a class is called instantiating.
memory instance in publication of class in law color
address

class and instance attributes when you instantiate the Dog class, python creates a new = self o, h, o, h,s instance of Dog and passes it to self instance methods are functions that you define inside a class and can only call on an instance of that class. always takes self as its first parameter. Tipa when writing custom classes, it is useful to write to have method that returns a string containing wetal information about the an instance of the class.___ Str_-(): jews.oslewil ins) dunder methods: __init _-() , _-str_-() wethods like these are called dunder nethod because they begin & end with double underscores. very important part of How to inherit from another class? inheritence is the process by which one class takes on the attributes and methods of another. Newly formed classer : child class the classes that you derive child classes: Parent class class dild (Parent) ___ reus inherit useil the class takes on the attributes and methods of the W dild class can everride and extend the attributes and methods of

Whild class can also have attributes & methods Pavent class
Unique to themselves.

isinstance (obj, dass) <= inter/ olass instance lindget injurior instance lindget injurior in viv

Parent class functionality Extention.

everside), method U, pole in including customized. child class in composition of the class in composition of the class in composition of the class is customized. Child class is method of the class is customized.

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intermide, did , method le attribute U.1
سراں این ہم این انعاق سنسہ و ملک ، تعقیرات کہ در pareut class محمد را محت عدم سے الح
برکسا مین و جوار ان در کانای در د کانای در کانای و مین ک مین مین ک مین کی مین کی مین کی مین کان مین کی
LLb you need to call the dog's class. speak() from inside the
child class's, speak () using the same arguments that you passed to
Jack Russell Temer. speak ().
super() -> you can access the parent class from inside a method
of a child class by using #super()
Class Jack Russell Terrier (Dog):
Let speak (self, sound = 'IN'):
return super() • speak (Sound)
python searches the parent class for speak () method
and calls it with the variable sound.
super() function search the parent class for a method or
an attribute and it traverses the entire class hierarchy for a
matching method and attribute
•