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Chapter - 10	DATE:
Object Oriented Programming	
Solving a mobilem by compliant	
of the most popular approace	her in one
Solving a problem by creating of the most popular approace This is called object oriente	d Oxner aming
This concept focuses on using	g, reusable code.
Imolon	nents DRY principle
	MENTS NIX POINCIPIE.
Class	
A class is a blueprint for creat	ing objects.
Complined in Co	
to create a Blank - filed	Application
to coeale a Blank stiled valid application form stude	by an - of the
2 Cen	Stydent
class => Object instax	tation - I Olica I
71.1137 1 1	1501011 - 21 00 16 CT
Combinat info to	
creat a valid object	
The syntax of a class looks like	.1.
of a class tooks like	this:
class Employee: [classna	200 20 211
# methods and variables	me 1s written in
THE WINDS STATE OF THE STATE OF	rasco case J

Object
An object is an instantiation of a class. Where class is defined, a template (info) is defined. Memory is allocated only ofter object
instantiation.
Objects of a given class can invoke the methods available to it without revealing the implementation details to the user.
Abstraction 2 Encapsatation
Modelling a problem in OOPs We identify the following in our problem
Moun -> Class: -> Employee Adjective -> Attributes -> name, age, salary Nerbs -> Methods -> getSalary(), increment()
Class Attributes An Attributes that belongs to the classe rather than a particular object.
Example:
class Employee: company = "Google" -> specific to each class
Abhi. company Abhi. company
Employee.company = "YouTube"
12 Changing class attributes

	Instance Attributes
	An attributes that belongs to the Instance (Object) assuming the class from the previous example.
	assuming the class from the previous example.
	Abhi. salary = "30k" -> adding instance attributes
	Abhi. salary = "30k" - adding instance attributes
	Mole: Instance attributes take preference over class attributes during assignment & retrieval.
	attributes during assignment & retrieval.
	Abhi attributel -> @ 1s attributel present in
	Object? To attribute 1 present in class?
	'Self' Parameter
	Seff refers to the instance of the class. It is
	automatically passed with a function call from
	an object.
	Abhi. get Sallary () -> Here self is Abhi.
	Paulvalent to Employee, acts alary
	equivalent to Employee.getSalary (Abhi)
-	The function getsalary is defined as:
	Jest Dallet of 15
	class Employee:
	Company = "Copale"
	det cotsalare (solf)
	company = "Google" def getSalary (self): print ("Salary is not there")
	COINT COULDY 12 NOT THEOR)
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abhi example: further State the method Sometime CLSS 5,7 init @static method det tal < es 80lf Method Jos 00-Employee Employee greet (10003 100 mint (athaunters 708 80 method parameter a of shorts train getSalary (self)? this , Diff self-name neod argyment Cs "Hello special "Abh" the is also -2 0 self, name 1 Henry Q nagnisha") Ob Ject 98 decorator the Hon object Method Can व ८४१ and (toody) name constructor Can define Can that So which method as constanctor Cred bed also 0 doesnit instantiated Static 11/20 有人の greet 12xst 934

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