## Class & Objects

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Solve a problem by Greating objects is one of the most popular approches in programming. This is called object oriented programming.

This Concept focuses on using Eesuble Code.

1 > Implemented Dray projenciple.

C1955

A Class is a bluepoiented for Creating Objects.

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Classi 7 Object instruction - object

Contein in poto Create a realid Object.

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	The synta of class look tike this:
	Class Frontogee: Classication is pagealoge
	Object de la company de la com
	An object is an instatication of a class. When class is depined, a template (info) is depined. (stemory is allocated only ofter abject instantication.
	Object of given Class Can invokes the method available to it without sevelaing the implementation alerei's to user.  Abstraction of Encapsulation!
	Godelling a problem in Oops
	We identify the following in our program
	Noun -> class -> Employee  Adjective > Attributes -> Name, age, sculary.  Versbs -> eyernods -> gersalaryo.

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2301	Class Attributes:
- Charles	see prime stratignes sook your

An attribute theet belongs to the Class souther than a particular object.

Fxample:

Class froployee

Class]

Tejou = Employee () -> object insteanticution.

to dust beeng Plumponony

Fromployee. compony = "jourcebe" > Cheenge. Class
antibutes.

Insternce frombutes

(object) assuraing the class footo the instence eliones example:

Tejas. name = "Tejas"

Tejas. sevary = "sook" -> Adding insteance

Attributes.

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Note: Instance attributes take proelgemence.

over dass outributes during assignment
& Fetrival.

Tejas Attributes ->

i) Is attributed proesent in object 1.

27 Is attributed present in

. Soft baleare des.

Self reggers to instence of the class it is automatically passed with a function Call from an object:

Tejes get Salory () - 7 here Self is Tejes

equivalent to croployee get

sedamy (Tejes)

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The	fun	ction	get Sal	ant i	s de	hined	as:
						1/	

Class Froployee!

Compony = "google" det gersevery (set)
point (" sourcey is mot there")

## Static Method

Sometime we need a function that dosent use the self personners ale Can depine a steetic method life this.

a) ztertical estado de codes to make estado de sterticake estado de stertica esta

## - init -- () Constructor

-- init-- () is a special method which is first sun as soon as the object is received.

-init-- () method is also know as constructor

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It terkes self troguments & Con also take

For Example:

Class Employee

dep --init-(8elt, name):

Sepiname = name

det gergalory (self):

Texas = Employee ("Texas")

La object can be instanticuted using Constauctor like this.

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