

	Aim - Compute the diameter circumférence and
-	The diameter circumterence and
-	volume of sphere using class
	J 1930.

Theory - it contained has seen no cost

Class -

i) A class is a blueprint for creating objects. in It defines a set of attributes and methods that the object of the class will have.

iii) Key component of a class are as follows =

1) Class definition -

A class is defined using the class keyword followed by the name of the class. Example- class sphere!

2) Constructor - 10 to 1 The constructor method is called '-init- and is used to initialize the attribute of the class. ii) It is executed automatically when an object is created from the class.

iii) You can define any number of parameter in the constructor to set the initial value.

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	3) Method -	
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	class using the 'self' keyward.	at the
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1	Object -	
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	i) Object is an instance of a dass	
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	Example - quitique goni	(1
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	obj = class = name () in rapidal ai mais	
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	and call its method using dot notation.	variables
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	Class in python are used to create object the	it have
	specific arributes and benaviour.	
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	They help in organizing and structuring cod grouping related data and functions togeth	er.
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## Self Parameter -

i) Self parameter is a reference to current instance of the class, and is used to access variable that

belongs to the class:

ii) It does not have to be named 'self', you can call it whatever you like, but it has to be the first parameter of any function in the class.

## Conclusion -

i) In conclusion, classes in python are a fundamental part of object-oriented programming.
ii) Classes promote code reusability, encapsulation, modularity and support concept like inheritance and

polymorphism.

iii) They help in organizing code making it easier to manage and maintain complex programs.

iv) Overall, classes are a powerful tool that enhances.

flexibility of python programs.