

Creating Classes

class ClassName:

'Optional class documentation string' class_suite

Creating Instance Objects

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Accessing Attributes

- ▶ The getattr(obj, name[, default]) to access the attribute of object.
- ▶ The hasattr(obj,name) to check if an attribute exists or not.
- ▶ The setattr(obj,name,value) to set an attribute. If attribute does not exist, then it would be created.
- ▶ The delattr(obj, name) to delete an attribute.

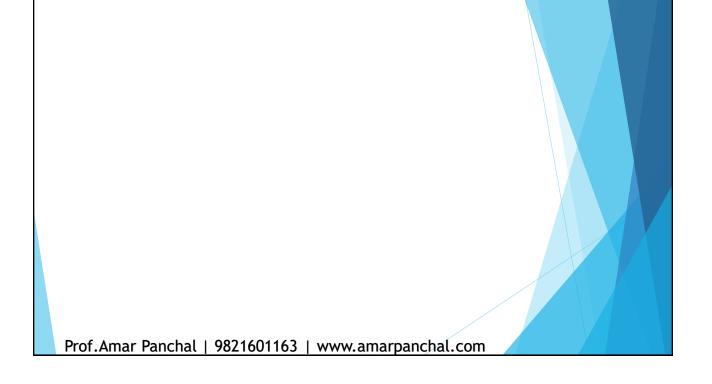
Importing

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Built-In Class Attributes

- __dict__ Dictionary containing the class's namespace.
- __doc__ Class documentation string or none, if undefined.
- __name__ Class name.
- __module__ Module name in which the class is defined. This attribute is "__main__" in interactive mode.
- __bases__ A possibly empty tuple containing the base classes, in the order of their occurrence in the base class list.

class SubClassName (ParentClass1[, ParentClass2, ...]): 'Optional class documentation string' class_suite Prof.Amar Panchal | 9821601163 | www.amarpanchal.com



check a relationships

▶ The issubclass(sub, sup) boolean function returns True, if the given subclass sub is indeed a subclass of the superclass sup.

▶ The **isinstance(obj, Class)** boolean function returns True, if *obj* is an instance of class *Class* or is an instance of a subclass of Class

Ove	rriding Methods	
S.No.	Method, Description & Sample Call	
1	init (self [,args]) Constructor (with any optional arguments) Sample Call : obj = className(args)	
2	del(self) Destructor, deletes an object Sample Call : del obj	
3	repr(self) Evaluatable string representation Sample Call : repr(obj)	
4	str(self) Printable string representation Sample Call : str(obj)	
5	cmp (self, x) Object comparison Sample Call : cmp(obj, x)	

Data Hiding ▶ The _ sign

