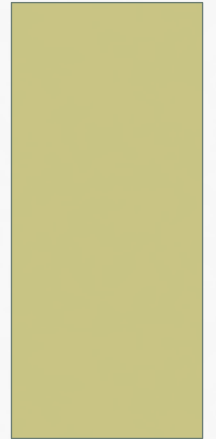


PYTHON CLASS

-PYTHON SERIES



INTRO

- It is a collection of objects.
- It is a group of attributes & methods
- Class is a model which consists of class variable & class methods.
- Classes are created by “class” keyword.

ATTRIBUTE & METHOD

- Attribute is just a variable which contain data .
- Method is similar to function which perform certain task or logic.

SYNTAX

```
class Class_name:
```

```
    x = 10
```

```
    def __init__(self):
```

```
        self.VM =value
```

```
    def method_name(self):
```

```
        #statements
```

OR

```
class Class_name(object):
```

```
    def __init__(self):  
        self.VM = value
```

```
    def method_name(self):  
        pass
```

- **Object** represents the base class name from where all classes in Python are derived . This is optional.

__INIT__ & SELF

- `__init__` method is known as a constructor in class.
- This method is used to initialize the instance variables.
- It is called automatically when an object of class is created , we don't call this method explicitly.
- Self is param or variable which refers to current class object/instance

EMPTY CLASS

```
class RevivingIndia:  
    pass
```

EXAMPLE

```
class RevivingIndia:  
    #State/Attributes  
    MemberName=""  
    MemberStatus=""  
    MemberAge=""  
  
    #Behaviour  
    def MemberContribution:  
        pass
```


RULES FOR CLASS NAME

- It generally start with capital letter.
- A valid class name start with letter followed by any letters , underscore or number.
- Class name cant be any python reserve keywords.