

Nested Class


A class within a class is called as nested class or nesting of a class.

```
class OuterClassName:
```

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

```
        self.variable_name = value
```

```
        self.innerClassObjectName = self.InnerClassName( )
```



Inner Class Object

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

```
        method body
```

```
class InnerClassName:
```

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

```
        self.variable_name = value
```

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

```
        method body
```

```
class Army:
```

Outer Class

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

```
        self.name = 'Rahul'
```

```
        self.gn = self.Gun()
```

Inner Class Object

```
    def show(self):
```

```
        print(self.name)
```

```
class Gun:
```

Inner Class

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

```
        self.name = 'AK47'
```

```
        self.capacity = '75 Rounds'
```

```
        self.length = '34.3 in'
```

```
    def disp(self):
```

```
        print(self.name, self.capacity, self.length)
```

```
a = Army()
```

Outer Class Object