

```
In [8]: class StudentDetail:
        country = "India"
        state = "Karnataka"

        def __init__(self, fname, lname, college):
            self.fname = fname
            self.lname = lname
            self.college = college
            print("I am in __init__")

        def full_name(self):
            return f"{self.fname} {self.lname}"

        def details(self):
            return f"{self.full_name()}-({self.college}-{self.state}-{self.country})"
```

```
In [9]: obj = StudentDetail("suresh", "kumar", "Reva")
        I am in __init__
```

```
In [10]: obj.full_name()
```

```
Out[10]: 'suresh kumar'
```

```
In [11]: obj.details()
```

```
Out[11]: 'suresh kumar-(Reva-Karnataka-India)'
```

```
In [12]: obj.college, obj.country, obj.state, obj.fname, obj.lname
```

```
Out[12]: ('Reva', 'India', 'Karnataka', 'suresh', 'kumar')
```

```
In [13]: obj.__dict__
```

```
Out[13]: {'fname': 'suresh', 'lname': 'kumar', 'college': 'Reva'}
```

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In [ ]:
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```
In [5]: class Test:
        pass
```

```
In [6]: obj = Test()
```

```
In [7]: StudentDetail()
```

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TypeError                                 Traceback (most recent call last)
<ipython-input-7-6ffa41080903> in <module>
----> 1 StudentDetail()

TypeError: __init__() missing 3 required positional arguments: 'fname', 'lname', and 'college'
```

```
In [ ]:
```