

Untitled

May 26, 2023

1 CLASS METHOD

[]:

```
[66]: class maths:
      def __init__(self,name,email_id):

          self.name = name
          self.email_id = email_id

      def student_details(self):
          return self.name,self.email_id
```

[]:

```
[93]: obj_1 = maths("punith","lokeshaarmy@gmail.vcom")
```

```
[94]: obj_1.name
```

```
[94]: 'punith'
```

```
[95]: obj_1.email_id
```

```
[95]: 'lokeshaarmy@gmail.vcom'
```

```
[96]: obj_1.student_details()
```

```
[96]: ('punith', 'lokeshaarmy@gmail.vcom')
```

[]:

1.0.1 alternative

```
[11]: ## with use of decorators the same can be obtained
```

```
[21]: class maths1:
      def __init__(self,name,email_id):
```

```

        self.name = name
        self.email_id = email_id

        @classmethod
        def details(cls, name , email):
            return cls(name, email)

        def student_details(self):
            print(self.name,self.email_id)

```

```
[23]: obj_2 = maths1("punith","lokesharamy@gamil.com")
```

```
[ ]:
```

```
[57]: class maths1:
        mobile_number = 986748596

        def __init__(self,name,email_id):

            self.name = name
            self.email_id = email_id

        def student_details(self):
            print(self.name,self.email_id)

```

```
[58]: maths1.mobile_number
```

```
[58]: 986748596
```

```
[59]: obj_3 = maths1("Punith", "punith@gmail.com")
```

```
[61]: obj_3.student_details()
```

```
Punith punith@gmail.com
```

```
[99]: ## addition of a number
```

```
[73]: class maths2:
        mobile_number = 986748596

        def __init__(self,name,email_id):

            self.name = name
            self.email_id = email_id

```

```
def student_details(self):  
    print(self.name,self.email_id,maths2.mobile_number)
```

```
[64]: obj = maths2("puni","goddboy@gmail.com")
```

```
[70]: obj.student_details()
```

```
puni goddboy@gmail.com 986748596
```

```
[98]: # modification of a number
```

```
[92]: class maths3:  
    mobile_number = 986748596  
  
    def __init__(self,name,email_id):  
  
        self.name = name  
        self.email_id = email_id  
  
    @classmethod  
    def number_change(cls,mobile):  
        maths3.mobile_number = mobile  
  
    def student_details(self):  
        print(self.name,self.email_id,maths3.mobile_number)
```

```
[ ]:
```

```
[78]: objj = maths3("koi","koi@gmail.com")
```

```
[79]: objj.student_details()
```

```
koi koi@gmail.com 986748596
```

```
[80]: maths3.number_change(8867147787)
```

```
[81]: objj.student_details()
```

```
koi koi@gmail.com 8867147787
```

```
[97]: ## ADD something
```

```
[82]: def course_details(cls, course_name):  
      print("course details", course_name)
```

```
[84]: class maths4:  
      mobile_number = 986748596  
  
      def __init__(self, name, email_id):  
  
          self.name = name  
          self.email_id = email_id  
  
      @classmethod  
      def number_change(cls, mobile):  
          maths3.mobile_number = mobile  
  
      def student_details(self):  
          print(self.name, self.email_id, maths3.mobile_number)
```

```
[86]: maths4.course_details = classmethod(course_details)
```

```
[88]: maths4.course_details("data science masters")
```

```
course details data science masters
```

```
[89]: obj21 = maths4("punith", "puni@gmail.com")
```

```
[91]: obj21.course_details("data _science")
```

```
course details data _science
```

```
[ ]:
```

```
[100]: # delete anything
```

```
[101]: class maths4:  
      mobile_number = 986748596  
  
      def __init__(self, name, email_id):  
  
          self.name = name  
          self.email_id = email_id  
  
      @classmethod  
      def number_change(cls, mobile):  
          maths3.mobile_number = mobile
```

```
def student_details(self):  
    print(self.name,self.email_id,maths3.mobile_number)
```

```
[102]: del maths4.number_change
```

```
[ ]:
```

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[ ]:
```