

Encapsulation

Encapsulation is one of the most fundamental concept of object-oriented programming. In OOPs, we need to wrap more than one data type and method together. This type of wrapping is called encapsulation. Encapsulation puts some restrictions on data variables and methods to access directly and can prevent accidental change. For this, we use access specifiers which we have read in the previous lecture.

A class is an example of encapsulation in which we wrap some data types and methods together.

Consider a real-life example of encapsulation, let assume there is a student who has a name, roll no., father's name, mobile number, address, etc.

Example:

```
class student:
    def __init__(self):
        self.name='Raj'
        self.rollno=123
        self.fathename='kailash'
        self.mobile=9237428321
```