Object oriented programming with Python:

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| Class | A paradigm of programming or structure  Consists of methods/ functions and data specific to that class.  So, don’t have to repeat the same codes. Just create a new instance/ objects |
| Method | Like functions but in a class |
| Constructors | \_\_init\_\_  Runs automatically when an instance of class is created |
| Attribute |  |
| Object | An instance of class |
| Class variable | Variables that belong to the class.  A variable that is shared by all instances of a class. Class variables are defined within a class but outside any of the class's methods |
| Instance variable | Variable that belongs to individual object  When we create an object, we can pass them through.  For example:  apple = Fruit(‘apple’,2) |
| Class methods | Add decorator @classmethod  A method bound to the class not the objects, can be used to access or modify a class variable  Automatically pass in ‘cls’ as first argument |
| Static methods | Doesn’t require to pass in ‘self’(instance) or ‘cls’ (class) as first argument |
| Regular methods | Automatically pass in the instance/ object as first argument (‘self’) |
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