

11-05-2025

Agenda:

property decorator ✓

Special methods ✓

getter ✓

setter ✓

deleters ✓

~~class vs static vs instance~~

opt: Threading / processes

Special Method

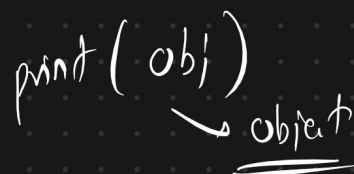
start & end with `--` → e.g. `--init--`

Allow us to customize the behaviour of object itself.

```
--str-- (del)  
print("Hello")  
→ _____  
→ _____  
→ _____
```

Mobile

```
→ system info  
→ firmware  
→ ID  
→ O  
→
```



str

imp trying developer wants user
to know

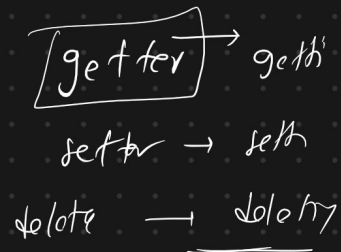
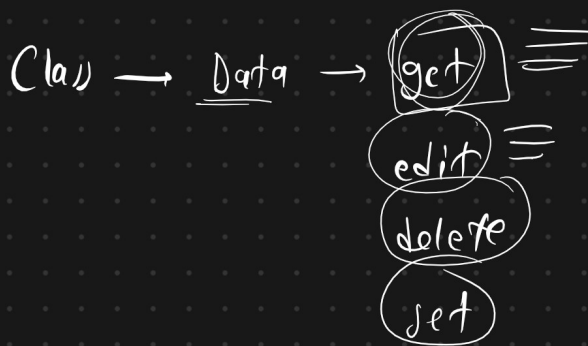
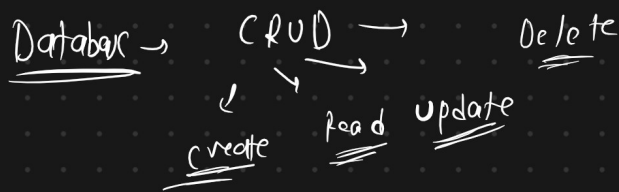
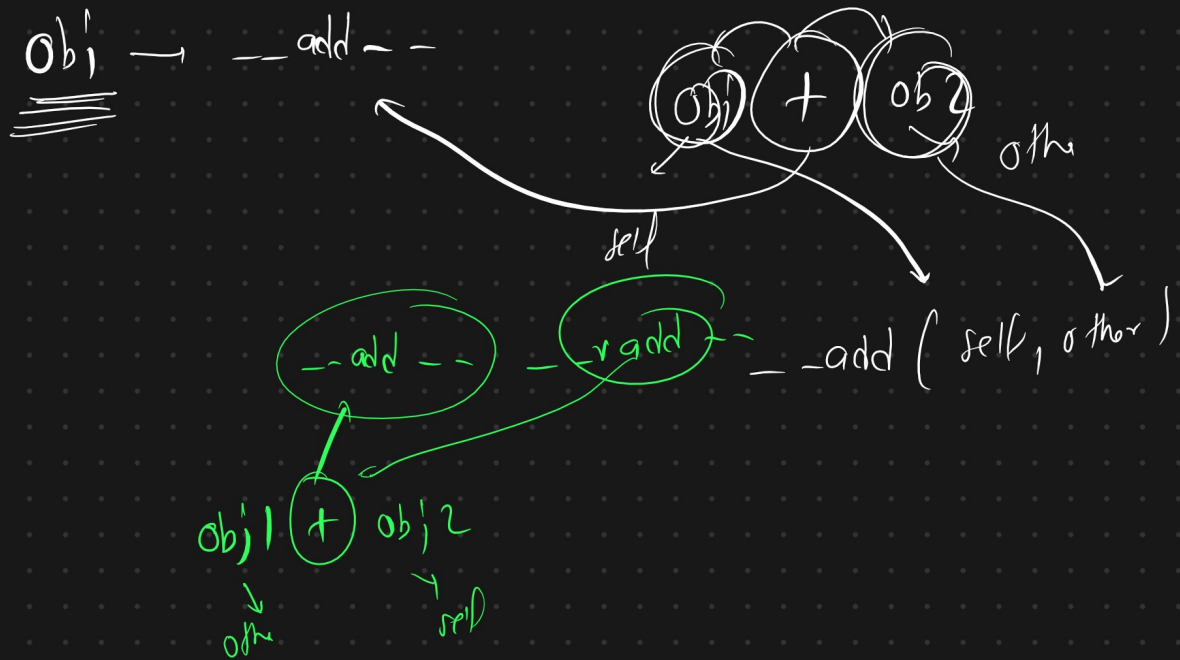


-- str -- → project
 → no → import info

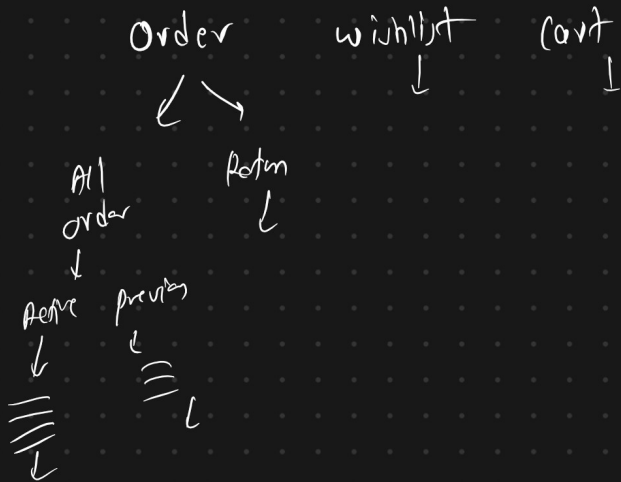
— rev — → call invocation value

-- add -- \rightarrow change / define the behavior of + operator

$$1 + 1 \rightarrow 2$$
$$\text{Obj} \uparrow \quad \text{Hom} \uparrow \quad \text{Hom} \uparrow$$



Amazon



Assignment project

CLI-Based application.

p.s. Track the expense & income

Python mainly → program should start.

→ start

> Add Transaction

Amount : 250

Type : income / Income / InloMe

expense / Expense / ExPeNSe

Category : Freelance / full-time - Job / full-time - Business

Output:

Transaction added.

Total savings : 250
- 250

choice : 1 → Add tracker
: 2 → Check financial report

> financial report

freelance → 1000

bill → 2000

food → 1000

Folder :-

finance_tracker /

main.py

tracker /

- init.py -

transaction.py

tracker.py

utils.py

data /

records.json
- csv
- txt

→ google

→ stackoverflow

→ tutorials

→ chatgpt

→ Modular coding

→ private variables
when needed

→ decorator →
(optional) - level-1

→ --str--

→ --len--

→ _getitem_

level-2 - optional

github → push