



OOPS-2

Agenda

- 1) Dunder/Magic Methods
- 2) Inheritance
- 3) Private/Public Properties
- 4) MRO → Method Resolution Order

⇒ addition

deletion

- subtraction

→ initiation

→ Comparison

-- () --

→ --add-- →

① works very well (C1) & (C2)

works well if both are Geo

② C1 + "Random"

↳ we check if 2nd variable/other is a string
not

Str → handle differently

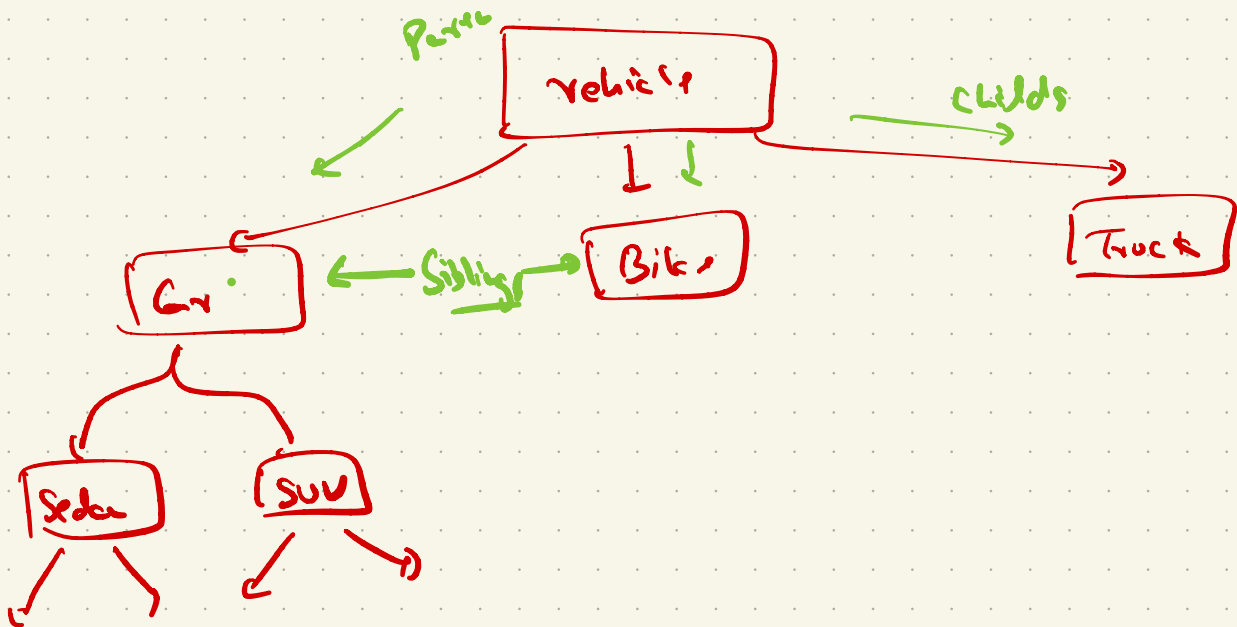
→ -radd--

"randon" + C2
↳ the radd function of this is given the highest priority

⇒ A & B

First radd of B
radd of A (expected behavior)

Inheritance ⇒ Parent child relationship
→ child inherit all properties / Methods from the parent



-- before → makes the variable private

⇒ There is nothing private inside Python

↓
Python just hide the real variable from the users

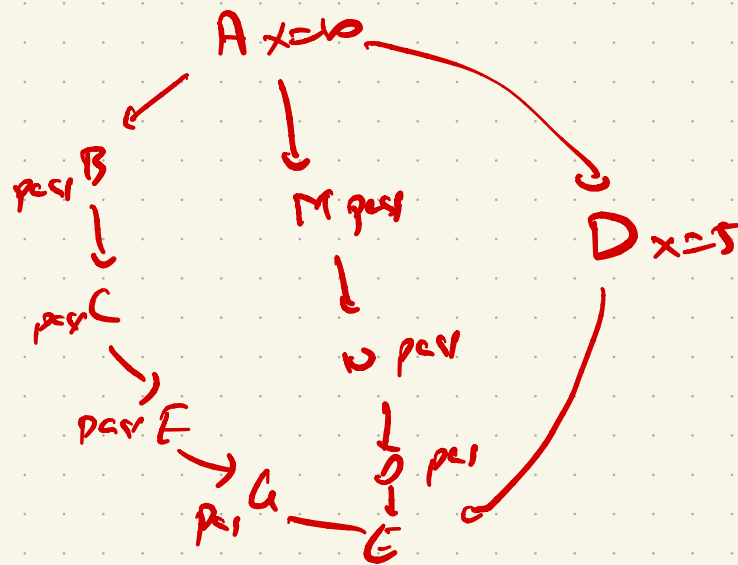
⇒ MRO

⇒ ① child always takes preference

② Leftmost / First takes the highest preference

③ If it is possible to reach the child from both side →

and one side is all parents then the next side is check.



⇒ EDA → Handle Nulls
Handle outliers } to understand data

FE → == } to create feature to generate insights, create ML model

⇒ ① → Null / outlier
② → long / wide
③ → Correlated Columns }
1) Correlation →
2) Test →
3) →
→ Categorisation →
→ Buckets →
→ Encoding →

$$\boxed{2^{2n} \neq 2^n}$$

$$2^{2n} \neq 2^n \neq 2n$$

$$\begin{array}{c} n \\ \hline 1000 \\ 1000000 \\ 100000000 \end{array} \left| \begin{array}{c} 2^n \\ 2^n \\ 2^n \end{array} \right| \begin{array}{c} \leftarrow \\ \leftarrow \\ \leftarrow \end{array}$$

Collab : <https://colab.research.google.com/drive/1UuBg0992rB7i5JvEMCsZ0vKhL2iEb88U?usp=sharing>