Topics Of the Day5

- WHAT IS A CLASS METHOD?
- Some Introspections Methods
- MAGIC DUNDER METHODS:
- OPERATOR OVERLOADING IN PYTHON
- WHAT IS FUNCTION CACHING?
- WHAT IS ASYNCIO
- How to Use Multithreading in Python
- WHAT IS MULTIPROCESSING?
- Modules (Time,Argparse,Shutil)

Q1. Create Animal → Dog and create given method then call dog's method.

Animal→ info Dog→ bark

Q2. Access a private variable (id) using name-mangling

Q3. Create instance variables for name and age and show them for two objects

Q1. Create object from a string "name-age-id" using alternative constructor

Q2. Use super() to call parent constructor.

Exmaple: Base(name,age) → Derived(name,age,language)

Q3. Use super() to access parent class method.

Exmaple: Base → showinfo() and Derived showinfo()

Q1. Create a class using __str__() method.

Q2. Overload * operator for multiplying object values.
Point(4,6) * Point(2,5) → Point(8,30)

Q3. Add new method in child not in parent

Create class A and B, and class C inheriting from A and B.

A → B → C (three-level inheritance) and call methods of all and use super() to pass value

A→ name
B→ age
C→ course

Create a hybrid structure: A → B, A → C, C → D.