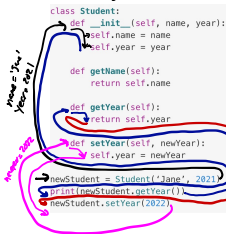
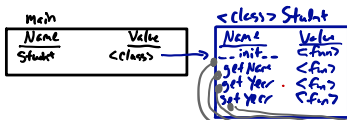


Student python flow control:



Memory Analysis:

- Before executing newStudent assignment line:

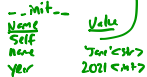


- Execute the line.
Python creates new Student object using the class definition

- like a factory producing just another item of the same reference design.

- Enter `--init--`, the constructor.

- self becomes a reference to the Student object.



- Execute lines in constructor.

- Recall that dot notation allows us to travel or teleport between symbol tables.

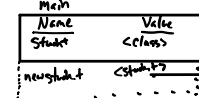
- self.name, self.year assignment changes value in Student object.

- Back to main code.

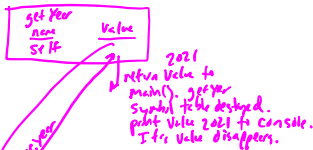
- init symbol table destroyed:



- but Student object lives on. Assigned to newStudent:



- print(newStudent.getYear())



- newStudent.setYear(2022)

