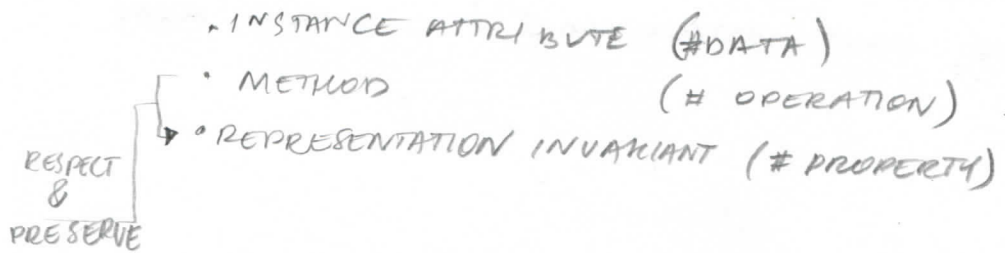TIPS

1. READ THE DOCSTRINGS

2. SUPER DUPER MANAGER | => CONTAINS
   USES CAR   A DICT
                          OF CARS

3. RUN THE
   SAMPLE TEST

4. RUN PYTHON-TA

5. USE A DEBUGGER!

CLASSES

- INSTANCE ATTRIBUTE (#DATA)
- METHOD (# OPERATION)
- REPRESENTATION INVARIANT (# PROPERTY)

RESPECT & PRESERVE

CLASS DESIGN RECIPE

- COMPOSITION   HAS-A / SOME

  USING ONE CLASS IN
  ANOTHER CLASS

!? PARAMETERS ≠ ATTRIBUTES

- INFORMATION HIDING & PRIVACY

  DOCUMENTATION HELPS
  TO REDUCE COGNITIVE
  OVERLOAD.

  → PUT YOUR FEET INTO
    OTHER PEOPLE'S SHOES.
    WHAT SHOULD THE USER
    DO?

  → DIVERGENCE FROM
    THE DOCUMENTATION
    AND IMPLEMENTATION
    INVOLVES THE
    INTRODUCTION OF
    PRIVATE ATTRIBUTES

  → PRIVATE ATTR ARE UNDERSCORE.0 IN THE DOC

PRIVATE METHOD
     &   PREFIX WITH —
PRIVATE ATTRIBUTE

> CONVENTION!
> PRIVATE LAST.

CONSEQUENCE OF 'SPECIAL PRIVATE' :: MORE FREEDOM
ATTRIBUTES IN PYTHON   FORE PROGRAMMERS

CARE ABOUT DISTINCTIONS TO EXPRESS IDEAS