information    data    template    function

tests

⟶ structure ⟶

identifying the structure of the information is a key step in program design

as data definitions get more sophisticated you will see that choosing the structure to use is a point of leverage in designing the overall program

keep calm and design the data

# form of data

## primitive

String Number...

double, yell, area
image-area, tall

**BSL/HtDF**

## non-primitive (designed w/ HtDD)

| atomic | distinct | interval | enumeration | itemization | compound | list | tree | ... |
|--------|----------|----------|-------------|-------------|----------|------|------|-----|

CityName    false    SeatNum    TLColor
                                LetterGrade    CountDown

best?              aisle?    next-color    countdown-
                            bump-up       to-display

**HtDD**

HtDF

HtDW

**HtDW/Compound**        SR    MR