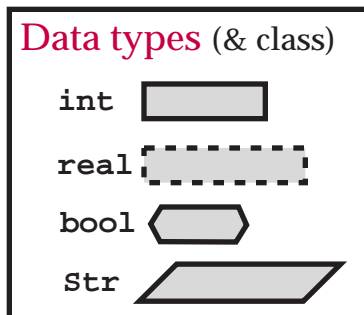

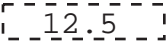




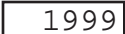
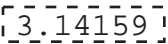

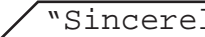
Simple Data Types: as shapes



Data : **variable**

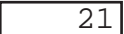

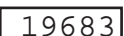
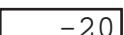
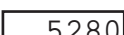



age  21
 radius  12.5
 male  true
 greet  "Hi Mom"

Data : **constant**

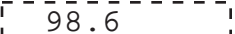

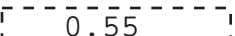
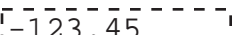
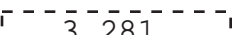
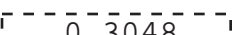
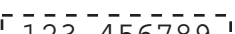

Year  1999
 PI  3.14159
 LEAP  false
 Bye  "Sincerely"

Notice the names: meaningful; constants begin uppercase, have underscores
 Notice the boxes: different sizes and shapes; NO MIXING ALLOWED!


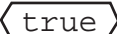



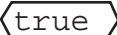
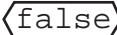
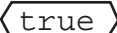
int type (integer, whole) comes from counting

 21 age
 0 count
 19683 population
 -20 centsProfit
 5280 FEET_PER_MILE
 7 Days_in_Week
 2 dayOfTheWeek
 100 Max_Size

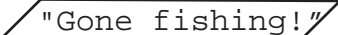

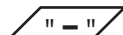


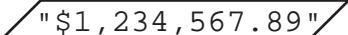
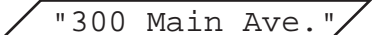

real type (float, double) comes from measuring

 98.6 bodyTemperature
 0.0 minimumTemperature
 0.55 metersLong
 -123.45 dollarsProfit
 3.281 FEET_PER_METER
 0.3048 Meters_Per_Foot
 123.456789 diameter
 4.0 meanScore

bool type (boolean, logical) comes from deciding

 false female
 true done
 false FALSE
 false over21
 true isWeekEnd
 true isosceles
 false increasing
 true T

Str Class (String, text of characters) comes from communicating

message  "Gone fishing!"
 phoneNumber  "(123) 456-7890"
 Hyphen  "-"
 fullName  "Dr. Joe Doe III"
 weekDay  "Tuesday"
 profit  "\$1,234,567.89"
 address  "300 Main Ave."
 poem  "I think"