

# Rules for Choosing Variable Names

1. Cannot begin with a number.
2. Use only Letters, Numbers, or \_Underscore\_
3. It can be only one word **(no spaces)**.
4. DO NOT use Python Reserve Words.

## **\*\*DO NOT USE\* Reserved Words**

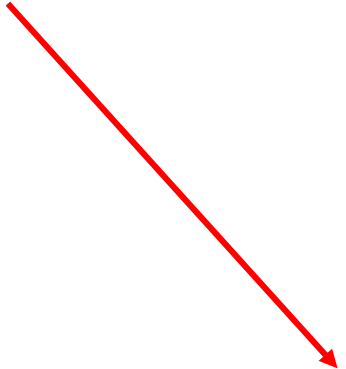
**['False', 'None', 'True', 'and', 'as', 'assert', 'break', 'class',  
'continue', 'def', 'del', 'elif', 'else', 'except', 'finally', 'for',  
'from', 'global', 'if', 'import', 'in', 'is', 'lambda', 'nonlocal', 'not',  
'or', 'pass', 'raise', 'return', 'try', 'while', 'with', 'yield']**

# Naming Conventions

- **READABILITY** is IMPORTANT
  - Short variable names
  - Use **Underscore** or **Camel Case**. Which of the following is easiest to read?



**python\_puppet**



**pythonPuppet**

**pythonpuppet**

# Naming Conventions

- **Case Sensitive** (The following 3 variables are **\*NOT\*** the same).

- **weight**
- **Weight**
- **WEIGHT**

# Variable Name - Use **DESCRIPTIVE** Variable Names

| <b>VALID</b> Variable Name | <b>INVALID</b> Variable Name – (What is the error?) |
|----------------------------|-----------------------------------------------------|
| balance                    | current-balance                                     |
| currentBalance             | current balance                                     |
| current_balance            | 4account                                            |
| _spam                      | 42                                                  |
| SPAM                       | total_\$um                                          |
| Account4                   | “hello”                                             |

# Variable Examples

| EXAMPLES                       | What is the DATA TYPE? |
|--------------------------------|------------------------|
| <b>schoolName = "GCC"</b>      |                        |
| <b>age = 41</b>                |                        |
| <b>firstNum = 10</b>           |                        |
| <b>price = 19.99</b>           |                        |
| <b>class_Status = "Senior"</b> |                        |
| <b>gpa = 3.75</b>              |                        |
| <b>passGood = True</b>         |                        |

# Variable Examples

| EXAMPLES                | Data Type             |
|-------------------------|-----------------------|
| schoolName = "GCC"      | <b>str</b> (String)   |
| age = 41                | <b>int</b> (Integer)  |
| firstNum = 10           | <b>int</b> (Integer)  |
| price = 19.99           | <b>float</b>          |
| class_Status = "Senior" | <b>str</b> (String)   |
| gpa = 3.75              | <b>float</b>          |
| passGood = True         | <b>bool</b> (Boolean) |