**Coding Standard** Python

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| Headers | ```  Name : <Name of Script>  Date : <Date of Module Creation>  Author: <Original Author>  Modification History: - <List of times modified/author>  (e.g. “John Doe, 12 MAR 2020”)  Synopsis: <Brief description of what this code does>  Methods: <List of methods supported in the module>  e.g. “getX() – Returns x Variable”  e.g. “setY(y\_set) – Sets the Y variable”  Global Variables: <List of global variables modified>  ```   * This should be a comment at the top of every Python Script in the project, no exceptions. * Should be constantly updated and up to date with the current code in this script |
| Naming | Local Variables – variable, local\_variable  Global Variables – Variable, Global\_variable  Constants – CONSTANT, CONSTANT\_DATA  Functions – get\_x(): , set\_y\_as\_one():   * Above each function :   #<function name> : <what function does>, returns <what function returns>  e.g. (# get\_x : Finds the variable X and returns it, returns x   * Avoid digits in variable names |
| White Space | There must be a space between each comma and parameter in a method.   * e.g. set\_y(y, next\_y, tmp)   All methods must have the same indent level.  There must be one line of space between each method. |
| Errors | Functions that encounter an error condition should return a 0 or a 1 for simplicity in debugging. |
| Misc. | Avoid using identifiers for multiple purposes.  Give each variable a meaningful name.  Comment your code such that your Grandmother could understand it.  Functions should not have a length > 1 page on your monitor.  COMMENT. YOUR. CODE. EVERYWHERE.  DO NOT EVER USE A GOTO STATEMENT IN YOUR CODE. EVER.  ***COMMENT YOUR CODE.*** |