Example and Template for Function Headers

1. Function headers PRECEDE the definition of the function
2. The Data Dictionary is composed ONLY of constants, globals, and variables found INSIDE the function definition. It does NOT include variables from main() or any other function
3. The main() function uses the program header and does NOT need an additional header

This is an example of the function header. You may format it any way you wish, assuming it has the needed information and has good whitespace and visually separates the code.

#====================================================================================

# Function name: Author: Albert Carlson |

# Date Written: |

#====================================================================================

# Purpose of Function: |

# |

#====================================================================================

# Data Dictionary |

# Name Type Range Use |

# ------ ----- ---------- ---------------------------------------------------------------------------------------|

# |

# |

#====================================================================================

An example of a filled in function header appears below:

#====================================================================================

# Function name: open\_io\_files\_read(ins\_file) Author: Albert Carlson |

# Date Written: Sept. 11, 2021 |

#====================================================================================

# Purpose of Function: Takes a file name provided by the user and opens/returns the filestream to the |

# main or other calling routine. |

#====================================================================================

# Data Dictionary |

# Name Type Range Use |

# ------ ------------- ---------- --------------------------------------------------------------------------------|

# ins filestream [A - z] Points to the input file |

# ins\_file string [A - z] The input filename and path to open |

#====================================================================================

def open\_io\_files\_read(ins\_file):

ins = open(ins\_file, 'r')

return ins