The bug affecting problem 1 seems to be that when the function run() is run, it uses functions that are defined AFTER the function is run. So, to fix this, I would just move the run() command to the bottom of the python script so that all the functions are defined before run(). Since python allows defining functions which use functions that are defined after, you can keep the def run() at the top of the script but just to be safe, I would move it to the bottom as well such that the run() function uses read_name(), read_age() and say_hello() after they are defined. I would do the same with say_hello() which uses pluralise before it is defined. Although the last 2 steps aren't necessary, it makes the code more chronological and readable in this simple case.