

Programming with Python

Prototype Guidelines

Please consider these as you complete the prototype interim deliverable for the group project:

Input Data File

Your program should run with the students.txt or potter.txt file I provided, with the data files in the same directory as your .py file(s)

- your program should not have a hardcoded path to the file

- (since I don't have your folder structure)

- your program should not assume different header labels in the data file

- your program should run ok if there are (or aren't) any blank lines in the file

.py file name - do not have embedded spaces in your .py filename

for example don't use "Student Query.py", instead use "StudentQuery.py"

Looping

Prototypes are acceptable if they handle one user request and quite. However you should attempt to have a loop that will allow the user to continue using your program for another request

If your prototype handles multiple queries from the user, make sure it works ok the second time through the loop

Input

Ideally your program should be case insensitive, for example when indicating part of the last name, or a menu choice

Formatted output

For your prototype it is ok to dump (print) your data structure

For your final program the output should be tabular (or at least tab separated fields)

Error Handling

Your prototype may or may not handle a variety of error cases, however your final program should be robust, for example, if the data file is not found or the user enters something wrong