

## Milestone Calculator Usage

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This guide illustrates how to run the `direct_reports.py` program for upcoming milestone calculations. `Direct_reports.py` was built with Python 2.7.7 so it is recommended to use that version of the interpreter while running. If you running on Mac OSX it will be installed by default. This can be checked by running `python -V` on the terminal. Any version of Python between 2.7 and including 2.9 will work fine with this program.

### Setup and Usage:

- 1.) Download the attached zip file from the email to a directory
- 2.) Unzip the zip file in the directory from Step 1
- 3.) Change directory into the new 'direct\_reports' folder that was created after the unzip
- 4.) Validate 3 files exists
  - a.) `direct_reports.py`
  - b.) `employee_info.csv`
  - c.) `README.txt` (This file)
- 5.) Open Terminal and `cd` into the 'direct\_reports' directory created in Step 3.
  - a.) `'cd /Users/dean.hutton/Downloads/direct_reports'`
- 6.) Validate python version by typing in `'python -V'` in terminal. It will display something similar to Python 2.7.10. If not then follow instructions here to install python and move on to Step 7 after getting Python 2.7 installed.
  - a.) <https://wiki.python.org/moin/BeginnersGuide/Download>
- 7.) Run the program by typing in `'python direct_reports.py -i employee_info.csv -rd '1000-03-24'` where `-i` is the location of your input file and `-rd` is the run date.
- 8.) Look at the results. There are two printouts of the results.
  - a.) One that is JSON encoded which is hard to read
  - b.) Another that is plain text and is indented and easier to read

If you would like only one print out of the results open `direct_reports.py` and go to the bottom of the page and comment out either `'pprint.pprint(final_output_list)'` or `'pprint.pprint(json.dumps(final_output_list))'` by putting a `'#'` in-front of the line. Then save the file and re-run Step 7.

Cheers!