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CS 362

3/13/2021

<u>Week 10 In-class Activity</u>

I'm writing this document to record my effort in doing this assignment, although I wasn't able to complete the assigned task because of some errors I couldn't figure out.

First of all, I attend Thursday's class to work along the class but wasn't able to move past the first few steps due to permission errors on the engineering servers, which can be seen below.

```
flip2 ~ 151% cd CS362
flip2 ~/CS362 152% ls
calculator  CS362_Wk10_InclassActivity  hw1  hw2  hw3  hw4  hw7  wk2-inclass  wk5-inclass  wk7-inclass  wk8-inclass
flip2 ~/CS362 153% . calculator/bin/activate
/usr/bin/.: Permission denied.
flip2 ~/CS362 154% cd calculator/bin/activate
calculator/bin/activate: Not a directory.
flip2 ~/CS362 155% cd calculator
flip2 ~/CS362/calculator 156% cd bin
flip2 ~/CS362/calculator/bin 157% ls
activate  activate.csh  activate.fish  easy_install  easy_install-3.6  pip  pip3  pip3.6  python  python3
flip2 ~/CS362/calculator/bin 158% . activate
/usr/bin/.: Permission denied.
flip2 ~/CS362/calculator/bin 159% █
```

After reaching this point I waited for my friend which had a Linux laptop to borrow it for the length of the assignment. We got further than I had on my laptop, however when we ran the pytest -v –cov we ran into another error in which we couldn't find out how to debug. As such, screenshots of the session I did with the Linux laptop will be included alongside the githib repo which has all the code up to this point.

```
┌[setherrys@parrot]-[~]
└─> $pytest -v --cov
bash: pytest: command not found
┌[✗]-[setherrys@parrot]-[~]
└─> $pip install flake8
Collecting flake8
  Using cached flake8-3.8.4-py2.py3-none-any.whl (72 kB)
Collecting pyflakes<2.3.0,>=2.2.0
  Using cached pyflakes-2.2.0-py2.py3-none-any.whl (66 kB)
Collecting pycodestyle<2.7.0,>=2.6.0a1
  Using cached pycodestyle-2.6.0-py2.py3-none-any.whl (41 kB)
Requirement already satisfied: mccabe<0.7.0,>=0.6.0 in ./.local/lib/python3.9/site-packages (from flake8) (0.
6.1)
Installing collected packages: pyflakes, pycodestyle, flake8
Successfully installed flake8-3.8.4 pycodestyle-2.6.0 pyflakes-2.2.0
┌[setherrys@parrot]-[~]
└─> $pytest -v --cov
bash: pytest: command not found
┌[✗]-[setherrys@parrot]-[~]
└─> $ls
calculator  Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
┌[setherrys@parrot]-[~]
└─> $flake8 --statistics
^C... stopped while processing files
┌[✗]-[setherrys@parrot]-[~]
└─> $ls
calculator  Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
┌[setherrys@parrot]-[~]
└─> $cd Downloads
┌[setherrys@parrot]-[~/Downloads]
└─> $cd DavidGitProject/
┌[setherrys@parrot]-[~/Downloads/DavidGitProject]
└─> $cd CS362_Wk10_InclassActivity/
┌[setherrys@parrot]-[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└─> $pip install flake8
Requirement already satisfied: flake8 in /home/setherrys/.local/lib/python3.9/site-packages (3.8.4)
Requirement already satisfied: pyflakes<2.3.0,>=2.2.0 in /home/setherrys/.local/lib/python3.9/site-packages (from flake8) (2.2.0)
Requirement already satisfied: mccabe<0.7.0,>=0.6.0 in /home/setherrys/.local/lib/python3.9/site-packages (from flake8) (0.6.1)
Requirement already satisfied: pycodestyle<2.7.0,>=2.6.0a1 in /home/setherrys/.local/lib/python3.9/site-packages (from flake8) (2.6.0)
```

```
└──→ $ls
calculator  CS362_Wk10_InclassActivity
(calculator) ┌─[setherrys@parrot]─[~/Downloads/DavidGitProject]
└──→ $cd CS362_Wk10_InclassActivity/
(calculator) ┌─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──→ $ls
calculator.py  README.md  requirements.txt  text_calculator.py
(calculator) ┌─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──→ $flake8 --statistics
./text_calculator.py:1:18: W291 trailing whitespace
./text_calculator.py:3:1: E302 expected 2 blank lines, found 1
./text_calculator.py:3:21: E203 whitespace before ':'
./text_calculator.py:4:1: W191 indentation contains tabs
./text_calculator.py:4:1: W293 blank line contains whitespace
./text_calculator.py:5:1: W191 indentation contains tabs
./text_calculator.py:6:1: W191 indentation contains tabs
./text_calculator.py:6:31: E231 missing whitespace after ','
./text_calculator.py:7:1: W191 indentation contains tabs
./text_calculator.py:7:1: W293 blank line contains whitespace
./text_calculator.py:8:1: W191 indentation contains tabs
./text_calculator.py:9:1: W191 indentation contains tabs
./text_calculator.py:9:36: E231 missing whitespace after ','
1     E203 whitespace before ':'
2     E231 missing whitespace after ','
1     E302 expected 2 blank lines, found 1
6     W191 indentation contains tabs
1     W291 trailing whitespace
2     W293 blank line contains whitespace
(calculator) ┌─[✗]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──→ $flake8 --statistics
./text_calculator.py:3:1: E302 expected 2 blank lines, found 1
./text_calculator.py:4:1: W191 indentation contains tabs
./text_calculator.py:4:1: W293 blank line contains whitespace
./text_calculator.py:5:1: W191 indentation contains tabs
./text_calculator.py:6:1: W191 indentation contains tabs
./text_calculator.py:7:1: W191 indentation contains tabs
./text_calculator.py:7:1: W293 blank line contains whitespace
./text_calculator.py:8:1: W191 indentation contains tabs
./text_calculator.py:9:1: W191 indentation contains tabs


./text_calculator.py:7:1: W293 blank line contains whitespace
./text_calculator.py:8:1: W191 indentation contains tabs
./text_calculator.py:9:1: W191 indentation contains tabs
1     E302 expected 2 blank lines, found 1
6     W191 indentation contains tabs
2     W293 blank line contains whitespace
(calculator) ┌─[✗]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──→ $flake8 --statistics
./text_calculator.py:5:1: W191 indentation contains tabs
./text_calculator.py:5:1: W293 blank line contains whitespace
./text_calculator.py:6:1: W191 indentation contains tabs
./text_calculator.py:7:1: W191 indentation contains tabs
./text_calculator.py:8:1: W191 indentation contains tabs
./text_calculator.py:8:1: W293 blank line contains whitespace
./text_calculator.py:9:1: W191 indentation contains tabs
./text_calculator.py:10:1: W191 indentation contains tabs
6     W191 indentation contains tabs
2     W293 blank line contains whitespace
(calculator) ┌─[✗]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──→ $flake8 --statistics
./text_calculator.py:5:1: W191 indentation contains tabs
./text_calculator.py:5:1: W293 blank line contains whitespace
./text_calculator.py:6:1: E101 indentation contains mixed spaces and tabs
./text_calculator.py:7:1: E101 indentation contains mixed spaces and tabs
./text_calculator.py:8:1: E101 indentation contains mixed spaces and tabs
./text_calculator.py:8:1: W293 blank line contains whitespace
./text_calculator.py:9:1: E101 indentation contains mixed spaces and tabs
./text_calculator.py:10:1: E101 indentation contains mixed spaces and tabs
5     E101 indentation contains mixed spaces and tabs
1     W191 indentation contains tabs
2     W293 blank line contains whitespace
(calculator) ┌─[✗]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──→ $flake8 --statistics
./text_calculator.py:8:1: W293 blank line contains whitespace
1     W293 blank line contains whitespace
(calculator) ┌─[✗]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──→ $flake8 --statistics
(calculator) ┌─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──→ $pytest -c -cov
```

```
./text_calculator.py:8:1: W293 blank line contains whitespace
./text_calculator.py:9:1: E101 indentation contains mixed spaces and tabs
./text_calculator.py:10:1: E101 indentation contains mixed spaces and tabs
5       E101 indentation contains mixed spaces and tabs
1       W191 indentation contains tabs
2       W293 blank line contains whitespace
(calculator) ┌[x]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──> $flake8 --statistics
./text_calculator.py:8:1: W293 blank line contains whitespace
1       W293 blank line contains whitespace
(calculator) ┌[x]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──> $flake8 --statistics
(calculator) ┌[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──> $pytest -c -cov
ERROR: usage: pytest [options] [file_or_dir] [file_or_dir] [...]
pytest: error: argument -c: expected one argument

(calculator) ┌[x]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──> $pytest -v -cov
================================================= test session starts =================================================
platform linux -- Python 3.9.1+, pytest-6.2.2, py-1.10.0, pluggy-0.13.1 -- /home/setherrys/Downloads/DavidGitProject/calculator/bin/python3
cachedir: .pytest_cache
rootdir: /home/setherrys/Downloads/DavidGitProject/CS362_Wk10_InclassActivity, configfile: ov
plugins: cov-2.11.1
collected 0 items

================================================ no tests ran in 0.01s ================================================
(calculator) ┌[x]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──> $pytest -v -cov
================================================= test session starts =================================================
platform linux -- Python 3.9.1+, pytest-6.2.2, py-1.10.0, pluggy-0.13.1 -- /home/setherrys/Downloads/DavidGitProject/calculator/bin/python3
cachedir: .pytest_cache
rootdir: /home/setherrys/Downloads/DavidGitProject/CS362_Wk10_InclassActivity, configfile: ov
plugins: cov-2.11.1
collected 0 items

================================================ no tests ran in 0.02s ================================================
(calculator) ┌[x]─[setherrys@parrot]─[~/Downloads/DavidGitProject/CS362_Wk10_InclassActivity]
└──> $
```

Github Repo: https://github.com/meahd/CS362_Wk10_InclassActivity