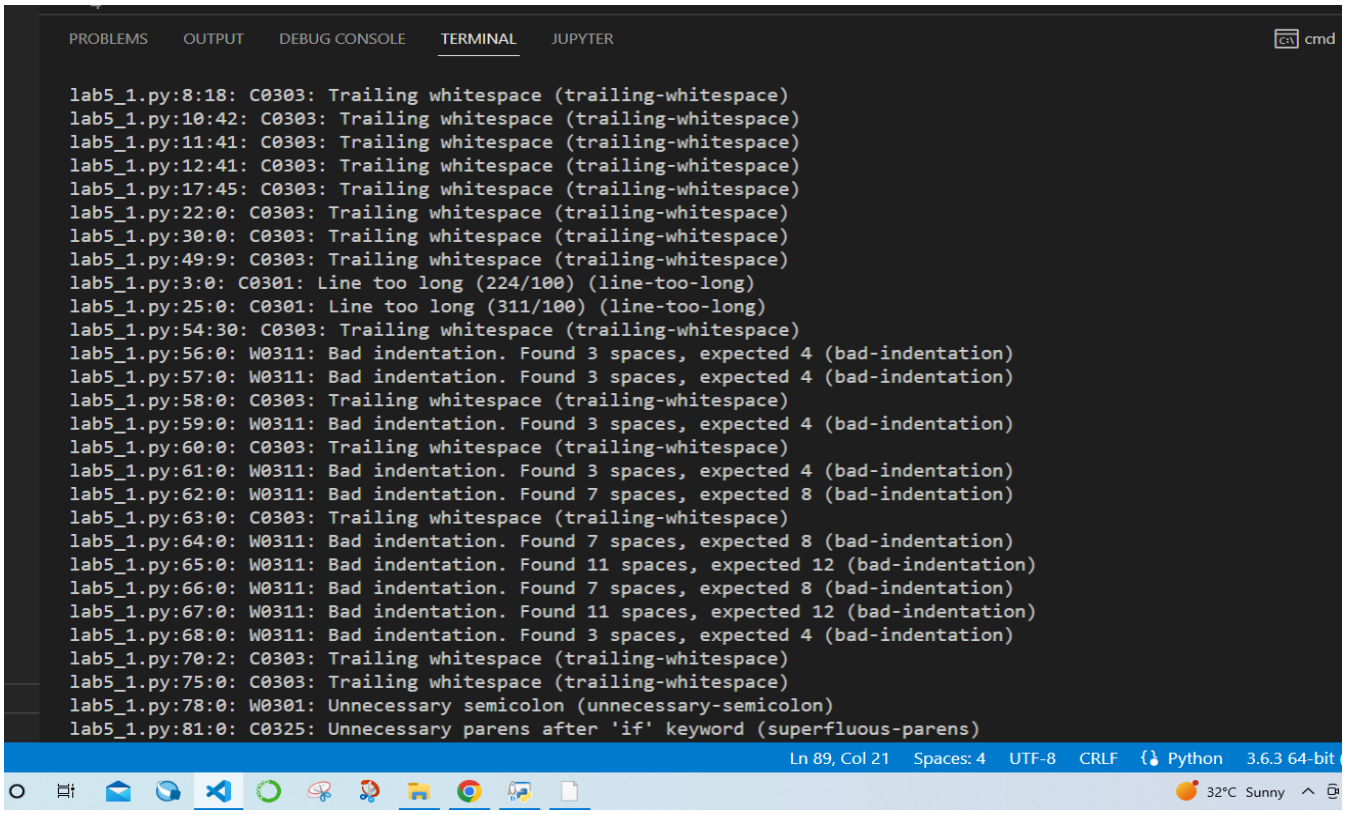
IT314 Lab5

Name: Raj Shah
ID: 202001460
Group 26

Static Analysis Tool: Pylint

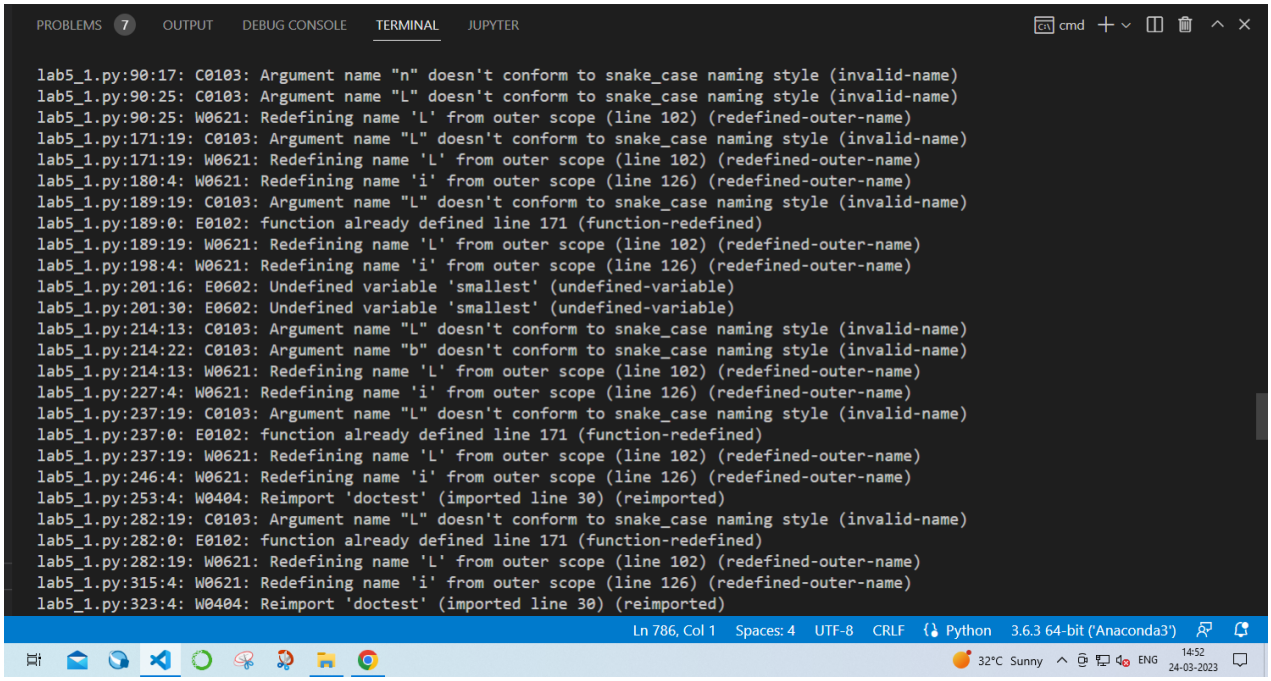
Example 1:
https://github.com/ivsumitkumar/Python/blob/073556fa57fc675bb631f387ed8adc3c502f2841/GFG-POTD/0068_Smallest_greater_elements_in_whole_array.py



Explanation: here in code there are multiple trailing white spaces that refer to any space characters that appear at the end of a line after the last

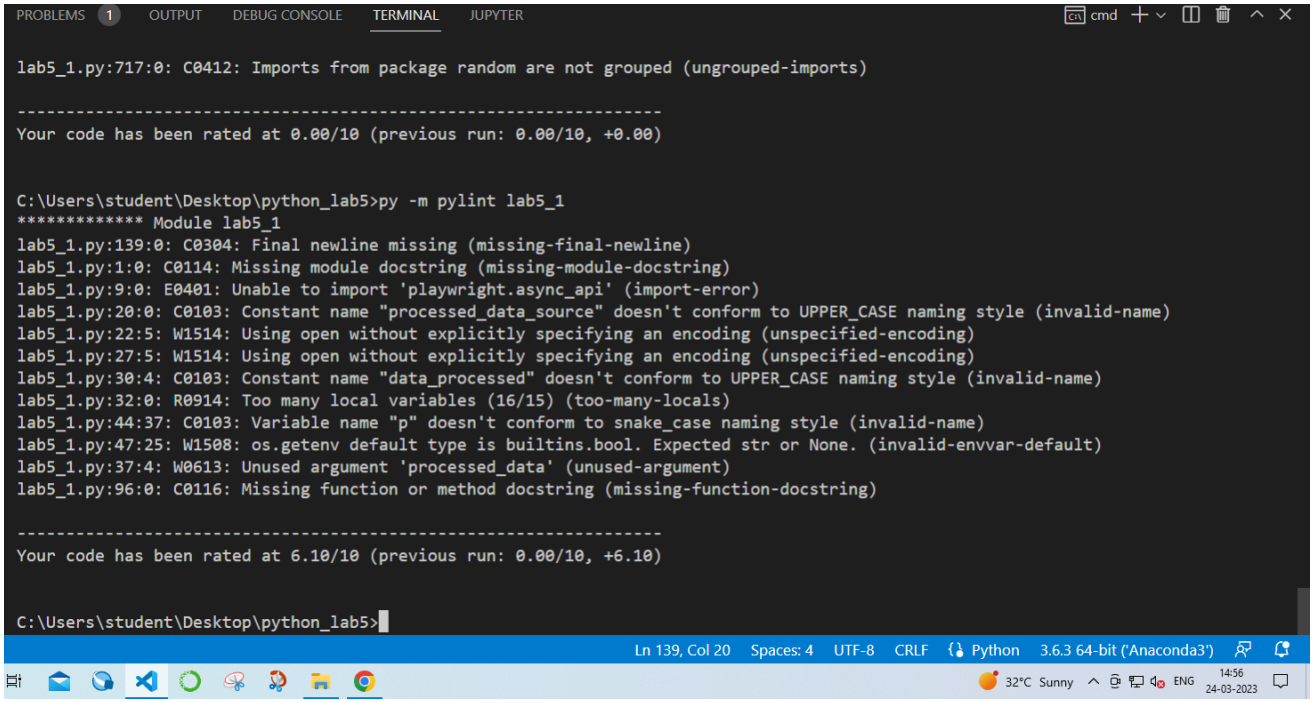
non-space character. Although it may not cause any issues with the code's functionality, it's considered a bad practice and can create unnecessary noise in the code.

Example2:
https://github.com/LeeMorinUCF/QMB3311S22/blob/c858fb9d03022e6b4f9a873f508ed41eb4ef2bf8/demo_18_PP_Ch_13_Sorting/PP_Ch_13B.py



Explanation: here in code there are multiple snack naming style errors. In the "snake_case" convention, names are written in all lowercase letters, with words separated by underscores. For example, the name "my_variable_name" is written in "snake_case".

Example3:https://github.com/Marketionist/py-web-scraper/blob/f7f1881a897650a155078d39903e7ea26ba45f22/web_scraper.py



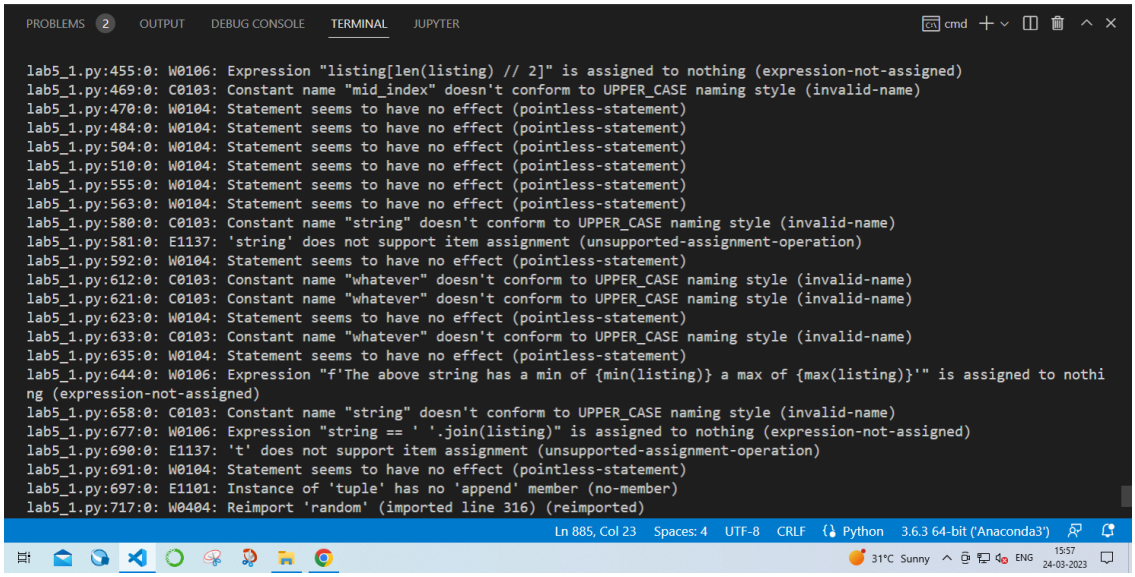
Explanation: The error message "Final newline missing" or "missing-final-newline" indicates that the file mentioned in the error (in this case "lab5_1.py") does not end with a newline character at the end of the file.This can be resolve by simply add a newline character at the end of the file.

Example4:
https://github.com/EricSchles/cuny_intro_to_ds_book/blob/6cc920c9c727081e1ee84809814f5ef30201f5c5/_build/jupyter_execute/02/1/list-strings-tuples.py

```
lab5_1.py:555:0: W0104: Statement seems to have no effect (pointless-statement)
lab5_1.py:563:0: W0104: Statement seems to have no effect (pointless-statement)
lab5_1.py:580:0: C0103: Constant name "string" doesn't conform to UPPER_CASE naming style (invalid-name)
lab5_1.py:581:0: E1137: 'string' does not support item assignment (unsupported-assignment-operation)
lab5_1.py:592:0: W0104: Statement seems to have no effect (pointless-statement)
lab5_1.py:612:0: C0103: Constant name "whatever" doesn't conform to UPPER_CASE naming style (invalid-name)
lab5_1.py:621:0: C0103: Constant name "whatever" doesn't conform to UPPER_CASE naming style (invalid-name)
lab5_1.py:623:0: W0104: Statement seems to have no effect (pointless-statement)
lab5_1.py:633:0: C0103: Constant name "whatever" doesn't conform to UPPER_CASE naming style (invalid-name)
lab5_1.py:635:0: W0104: Statement seems to have no effect (pointless-statement)
lab5_1.py:644:0: W0106: Expression "f'The above string has a min of {min(listing)} a max of {max(listing)}'" is assigned to nothi
ng (expression-not-assigned)
lab5_1.py:658:0: C0103: Constant name "string" doesn't conform to UPPER_CASE naming style (invalid-name)
lab5_1.py:677:0: W0106: Expression "string == ' '.join(listing)" is assigned to nothing (expression-not-assigned)
lab5_1.py:690:0: E1137: 't' does not support item assignment (unsupported-assignment-operation)
lab5_1.py:691:0: W0104: Statement seems to have no effect (pointless-statement)
lab5_1.py:697:0: E1101: Instance of 'tuple' has no 'append' member (no-member)
lab5_1.py:717:0: W0404: Reimport 'random' (imported line 316) (reimported)
lab5_1.py:717:0: C0413: Import "import random" should be placed at the top of the module (wrong-import-position)
lab5_1.py:772:0: W0404: Reimport 'random' (imported line 316) (reimported)
lab5_1.py:772:0: C0413: Import "import random" should be placed at the top of the module (wrong-import-position)
lab5_1.py:774:0: W0106: Expression "(random.randint(0, 10), random.randint(0, 10), random.randint(0, 10))" is assigned to nothing
 (expression-not-assigned)
lab5_1.py:793:0: W0104: Statement seems to have no effect (pointless-statement)
```

Explanation: There are multiple pointless statements in this code. A piece of code that performs nothing useful or significant is typically referred to as a "pointless statement," such as assigning a value to a variable that is never used or invoking a function that has no side effects and whose return value is never used. Also there are some errors of constants names which are does not confirm to upper case naming style.

Example 5:
https://github.com/EricSchles/cuny_intro_to_ds_book/blob/6cc920c9c727081e1ee84809814f5ef30201f5c5/_build/jupyter_execute/02/1/list-strings-tuples.py



Explanation: There are multiple pointless statements in this code. The explanation of that I have given in the above example. And also there are uppercase naming style errors and also there are random imports in this code. According to Python style rules, all import statements should be put at the beginning of your script.