LAB - 5

Name: Manan Modi

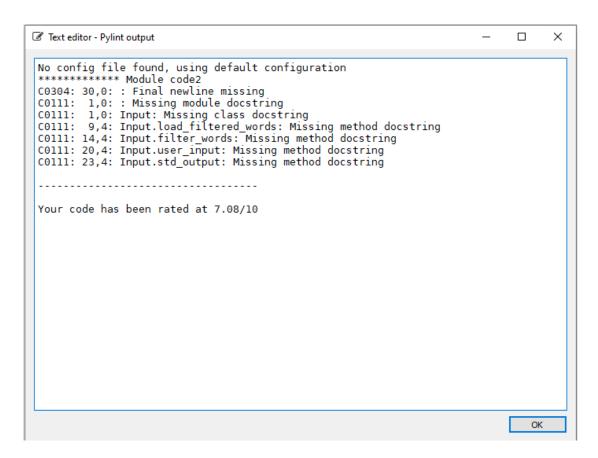
Student ID: 202001254

Cource: Software Engineering

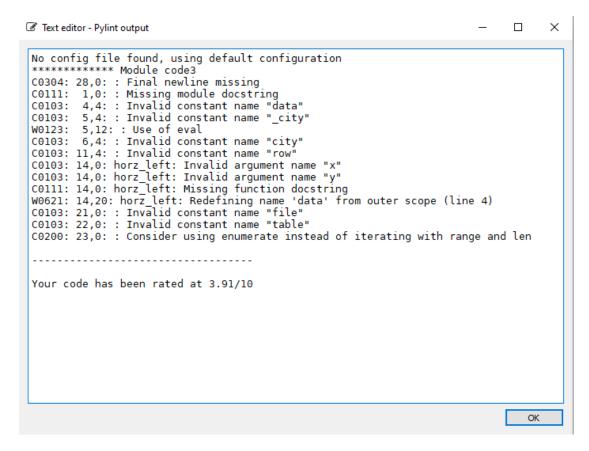
1. Github repository for which we have done static analysis. https://github.com/Show-Me-the-Code/python/blob/master/4disland/0000/add_num.py

Screenshot of Statisc analysis of above file:

2. Github repository for which we have done static analysis. https://github.com/Show-Me-the-Code/python/blob/master/A1014280203/11/11.py



3. Github repository for which we have done static analysis. https://github.com/Show-Me-the-Code/python/blob/master/A1014280203/15/15.py

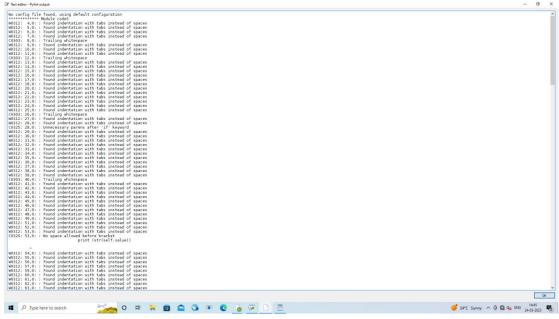


4. Github repository for which we have done static analysis. https://github.com/Show-Me-the-Code/python/blob/master/A1014280203/25/25.py

```
Text editor - Pylint output
No config file found, using default configuration
 *********** Module code4
C0304: 95,0: : Final newline missing
C0111: 1,0:: Missing module docstring
E0401: 3,0:: Unable to import 'pyaudio'
C0111: 17,0: make_audio: Missing function docstring
C0103: 18,4: make_audio: Invalid variable name "p"
C0103: 32,4: make_audio: Invalid variable name "wf"
 W0612: 26,8: make_audio: Unused variable 'i'
C0111: 49,0: get_token: Missing function docstring
 C0111: 54,0: speech_to_text: Missing function docstring
 C0111: 75,0: make_action: Missing function docstring
W0621: 75,16: make_action: Redefining name 'texts' from outer scope (line 94)
E1101: 87,8: make_action: Module 'win32api' has no 'ShellExecute' member
C0103: 94,4: : Invalid constant name "texts"
C0411: 4,0: : standard import "import wave" should be placed before "import
 CO411: 5,0: : standard import "import base64" should be placed before "import
 CO411: 6,0: : standard import "import json" should be placed before "import
 requests"
 Your code has been rated at 5.79/10
                                                                                                OK
```

5. Github repository for which we have done static analysis. https://github.com/joeyajames/Python/blob/master/Trees/BinarySearchTree.py

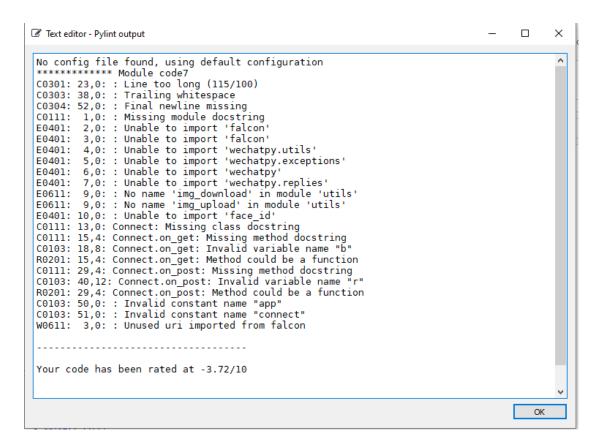
Screenshot of Statisc analysis of above file:



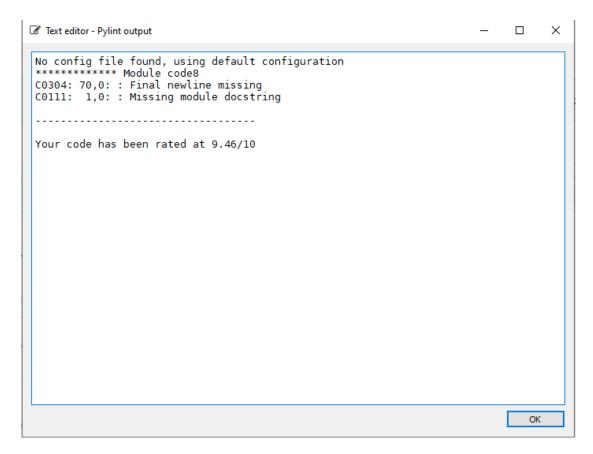
6. Github repository for which we have done static analysis. https://github.com/jakevdp/PythonDataScienceHandbook/blob/master/website/fabfile.py

Screenshot of Statisc analysis of above file:

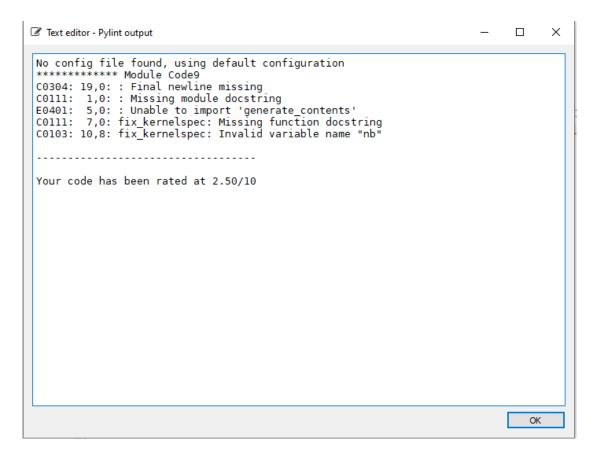
7. Github repository for which we have done static analysis. https://github.com/injetlee/Python/blob/master/wechat/connect.py



8. Github repository for which we have done static analysis. https://github.com/jakevdp/PythonDataScienceHandbook/blob/master/website/pelicanconf.py

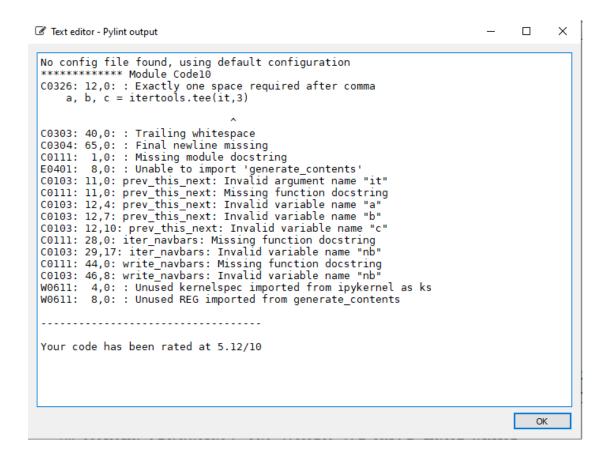


9. Github repository for which we have done static analysis. https://github.com/jakevdp/PythonDataScienceHandbook/blob/master/tools/fix_kernelspec.py



Github repository for which we have done static analysis.

https://github.com/jakevdp/PythonDataScienceHandbook/blob/master/tools/add_navigation.py



General Analysis and understanding of error form ststis analysis:

There aren't many mistakes in the source you've chosen. Some mistakes are caused by importing inaccessible files, while others are caused by the variable name being used without being specified. Some mistakes are also caused by incorrect grammar.

Some of the above-mentioned mistakes may not be displayed by a compiler, instead displaying a generic error notice that the user may not comprehend.

Along with the mistakes listed above, there are some warnings. Some of the alerts were caused by unused 'else' lines and variables. Few were due to incorrect spacing, and a few were due to useless imported variables.

The programme detects the majority of the cautions listed above.

Additionally, some errors or cautions that are displayed by the static analysis utility as errors or false positives may not actually be errors.

The static analysis led to the bulk of errors and alerts being found.