



Dhirubhai Ambani  
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Name - **Kavish Shah**

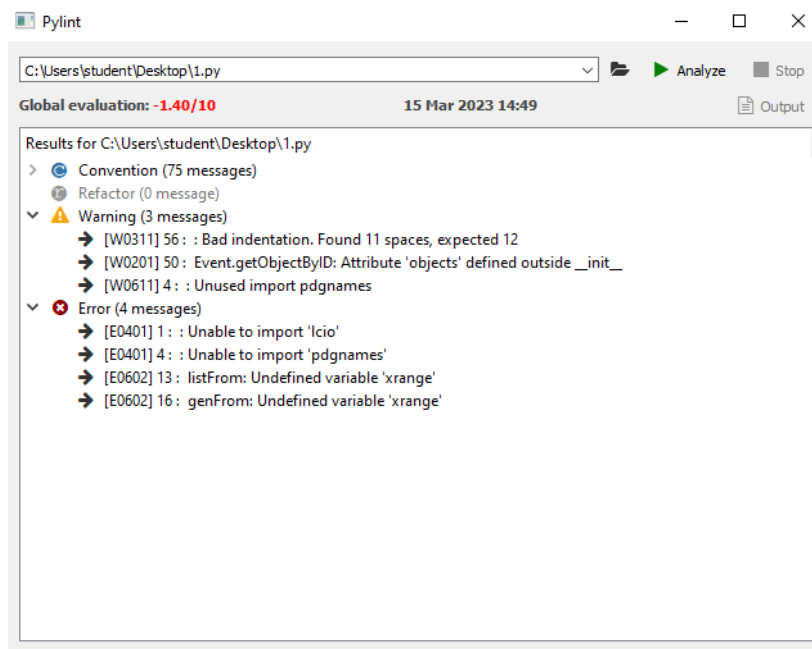
Student ID - **202001114**

Course - **Software Engineering (IT314)**

## Lab 5

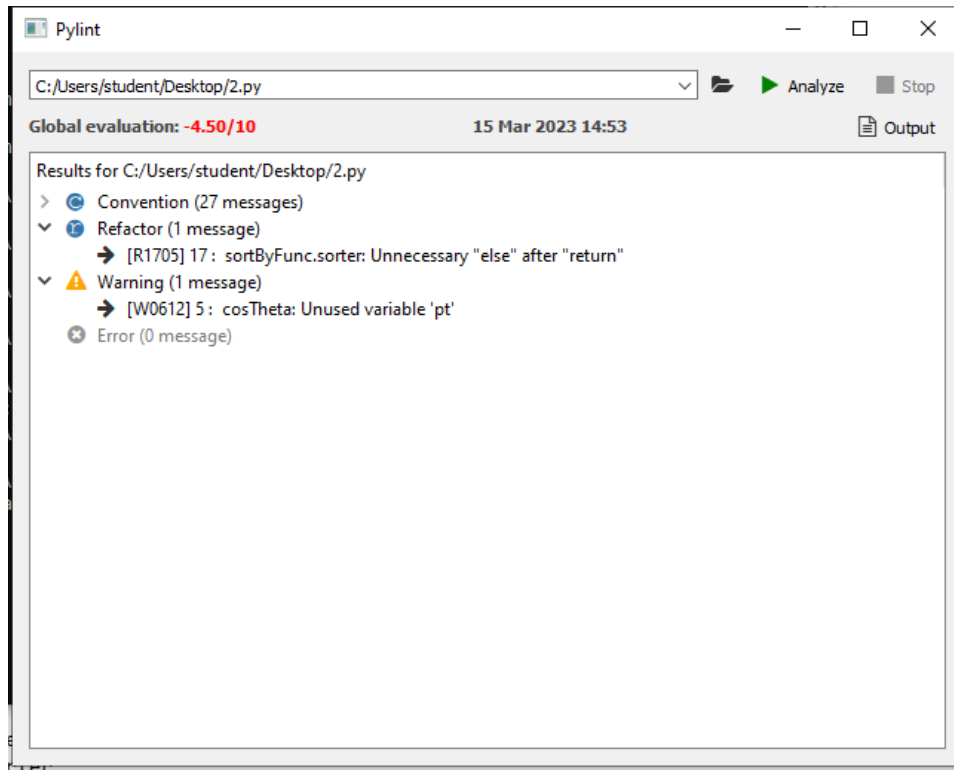
Link of the github repository whose files analyzed:  
<https://github.com/benjeffery/lciotools>

Screenshot of static analysis of the file  
<https://github.com/benjeffery/lciotools/blob/master/lciotools.py>:



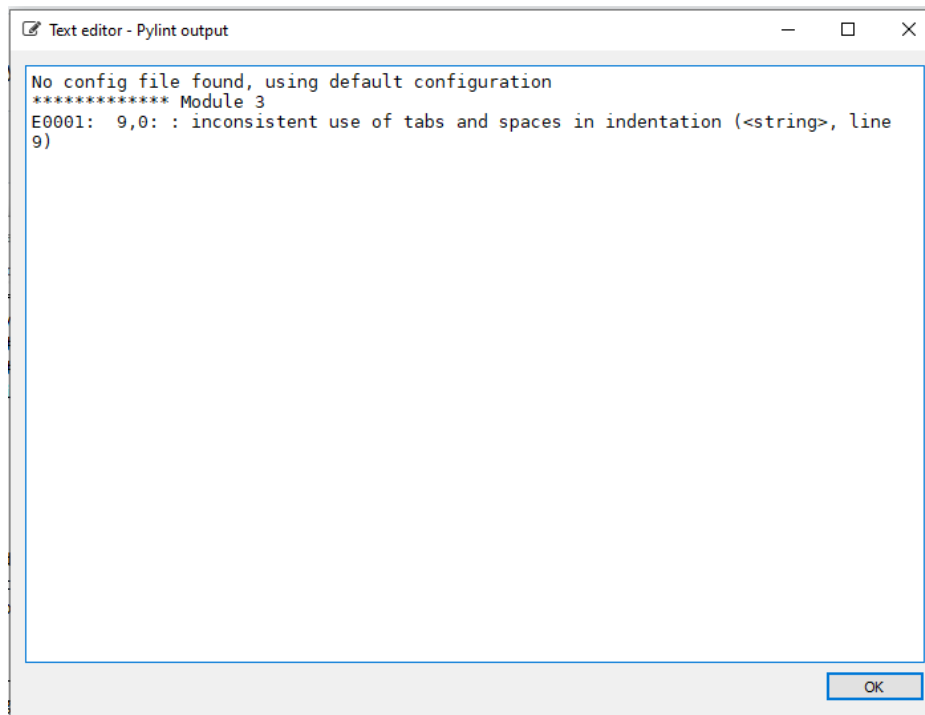
Screenshot of static analysis of the file

[https://github.com/benjeffery/lciotools/blob/master/math\\_utils.py](https://github.com/benjeffery/lciotools/blob/master/math_utils.py):



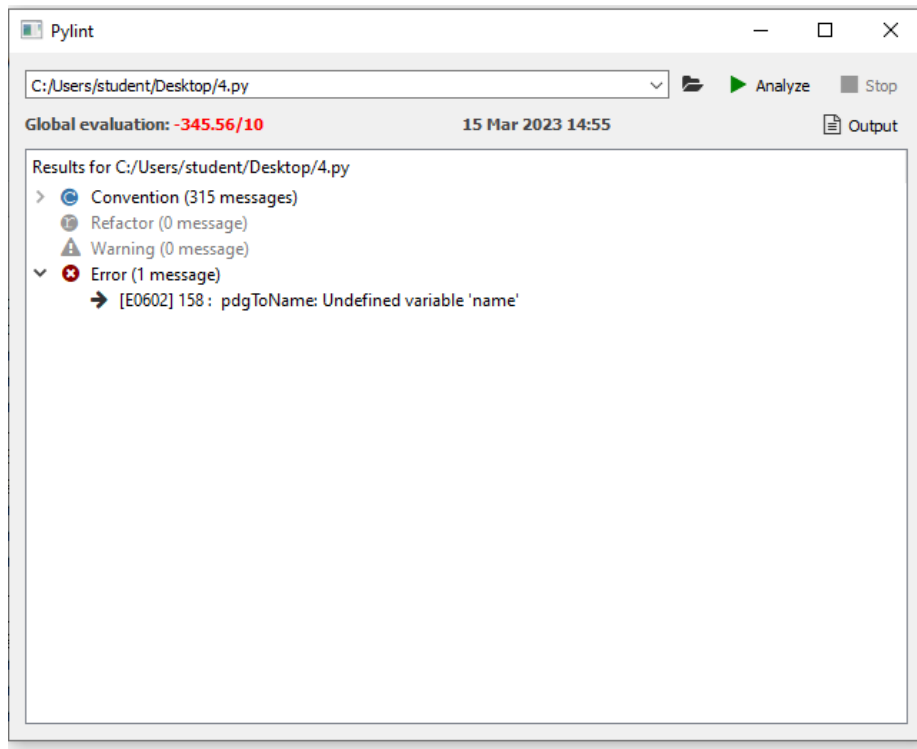
Screenshot of static analysis of the file

<https://github.com/benjeffery/lciotools/blob/master/mcana.py>:



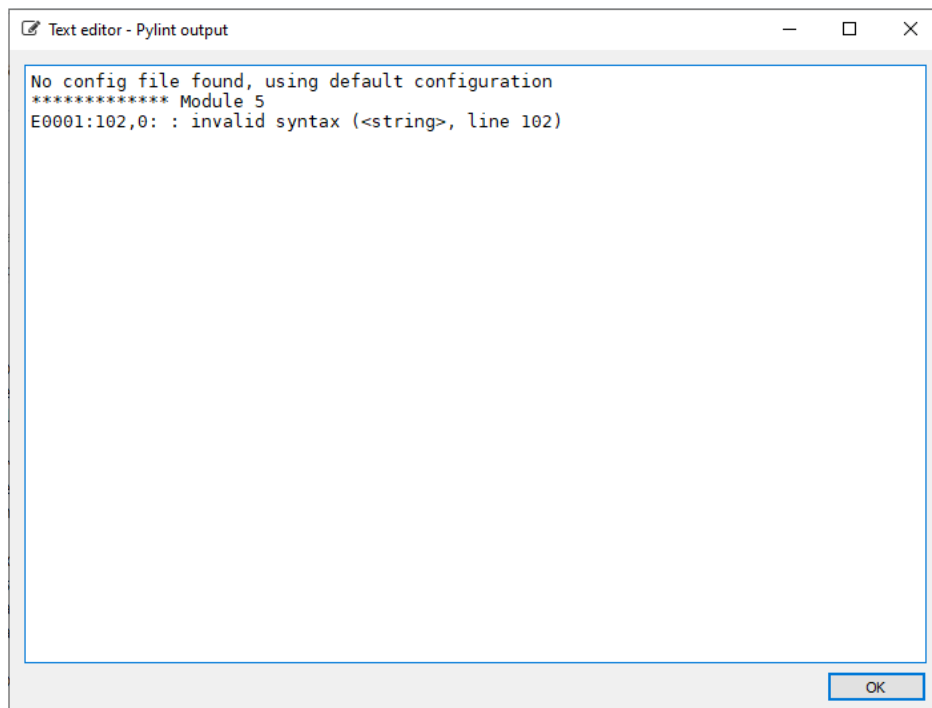
Screenshot of static analysis of the file

<https://github.com/benjeffery/lciotools/blob/master/pdgnames.py>:



Screenshot of static analysis of the file

<https://github.com/benjeffery/lciotools/blob/master/vertexanalysis.py>:



## **General analysis and understanding of the above static analysis using pylint:**

In the repository selected, there aren't many errors. Some errors are due to importing unavailable files while some errors are because the variable name is used without being defined. Some errors are due to invalid syntax as well.

There are certain warnings as well along with the above mentioned errors. Some warnings were because of unused 'else' statements and unused variables. Few were because of bad indentation and a few due to unused imported variables.

Overall majority of errors and warnings were discovered during the static analysis.