# Software Engineering Lab 5

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We chose the tool pylint in python for static analysis of python projects.

- 1) Installed pylint using pip install pylint command in command prompt
- 2) Took sample codes from python files.
- 3) Ran the command py -m pylint filename.py in command prompt
- 4) Took screenshots of the errors.

Github link: <a href="https://github.com/Akaza-3/python-files">https://github.com/Akaza-3/python-files</a>

### 1) Music.py file

```
C. Wisers\student\Downloads>py -m pylint music.py

music.py:269: (2080: Line too long (147/80) (line-too-long)
music.py:278: (2081: Line too long (147/80) (line-too-long)
music.py:280: (2080: Line too long (147/80) (line-too-long)
music.py:281: (2082: Use isinstance() rather than type() for a typecheck. (unidiomatic-typecheck)
music.py:281: (2082: Use isinstance() rather than type() for a typecheck. (unidiomatic-typecheck)
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### 2) Stream.py file

```
C:\Users\student\Downloads>py -m pylint stream.py

********** Module stream

stream.py:28:0: C0301: Line too long (128/100) (line-too-long)

stream.py:71:0: C0304: Final newline missing (missing-final-newline)

stream.py:1:0: C0114: Missing module docstring (missing-module-docstring)

stream.py:3:0: E0401: Unable to import 'cv2' (import-error)

stream.py:4:0: E0401: Unable to import 'numpy' (import-error)

stream.py:5:0: E0401: Unable to import 'zmq' (import-error)

stream.py:7:0: E0401: Unable to import 'constants' (import-error)

stream.py:8:0: E0401: Unable to import 'utils' (import-error)

stream.py:11:0: C0115: Missing class docstring (missing-class-docstring)

stream.py:54:0: C0116: Missing function or method docstring (missing-function-docstring)
```

#### 3) Cowin.py file

## 4) Algorithm.py