IT 314

Software Engineering

Lab 5: Static Analysis

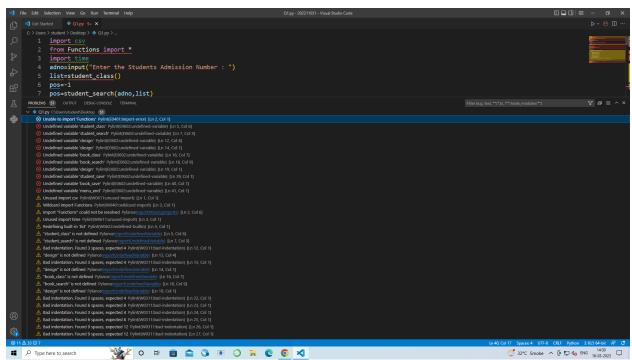
Student Name: Abhay Suvagiya

Student ID: 202001171

Selected tool and GitHub Repo I will be using the pylint tool for python.

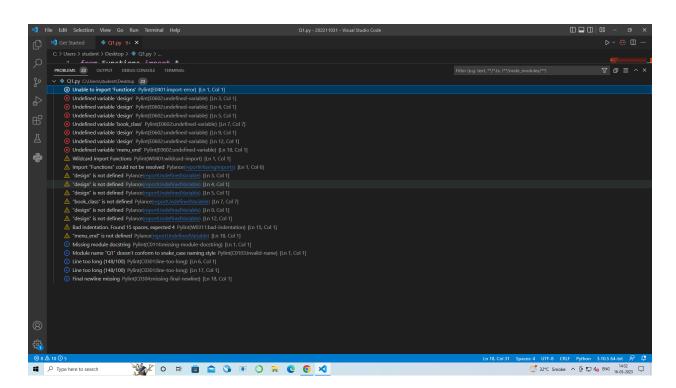
Github repo: https://github.com/mebinjohnson/Library-Management-System

 https://github.com/mebinjohnson/Library-Management-System/blob/master/2% 20Book%20Deposit.py



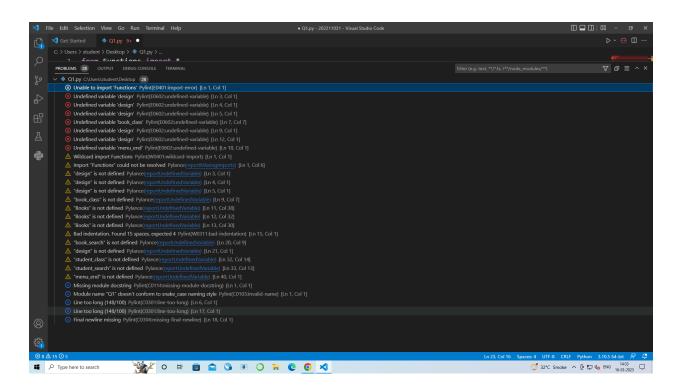
2. https://github.com/mebinjohnson/Library-Management-System/blob/master/34 %20Books%20Record.py

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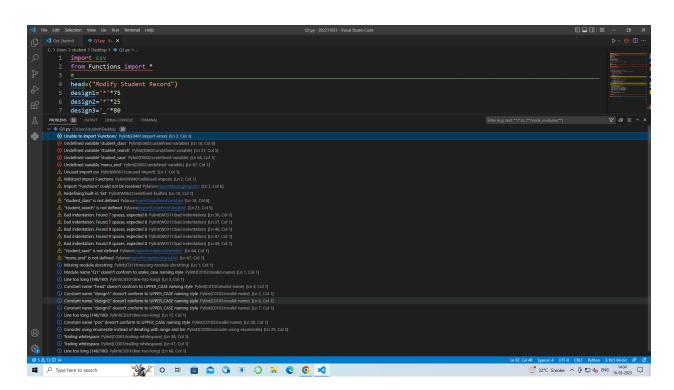


3. https://github.com/mebinjohnson/Library-Management-System/blob/master/36 https://github.com/mebind-system/blob/master/36 https://github.com/mebind-system/blob/master/36 https

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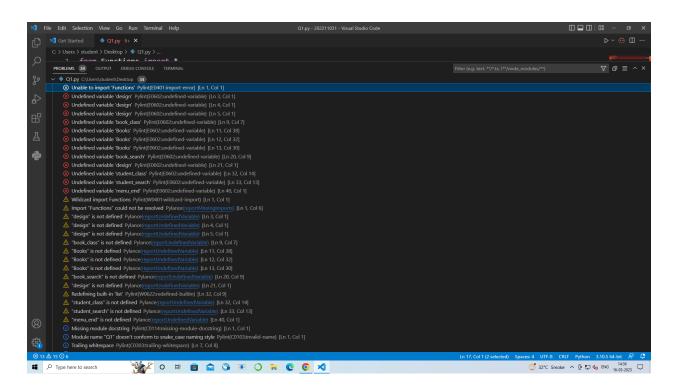


 https://github.com/mebinjohnson/Library-Management-System/blob/master/32 %20Modify%20Student%20Record.py



 https://github.com/mebinjohnson/Library-Management-System/blob/master/36 %20View%20Book.py

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Understanding of errors:

E0401: Import Error

E0401 occurs when the import statement of a module fails. It typically indicates that the module you are trying to import cannot be found or there is an issue with the module's code that is preventing it from being imported correctly.

E0602: Undefined variable

E0602 occurs when you reference a variable that has not been defined in the current scope.

W0401: wild card import

W0401 is a warning error that is raised when you use a wildcard import statement. A wildcard import statement is a statement that imports all the names defined in a module using the "*" symbol.

W0622: redefined builtin

W0622 is a warning error that is raised when you define a variable or function with the same name as a built-in Python function or keyword. This can lead to unexpected behavior and bugs in your code.

W0311 : Bad indentation

This warning is raised when there are inconsistent indentation levels in your code. It could occur if you mix tabs and spaces, or if you use the wrong number of spaces for indentation.

C0114: missing module destroying

This warning is raised when a module is missing a docstring. A docstring is a string literal that appears as the first statement in a module, function, class, or method definition.

C0103: Invalid name

This warning is raised when a variable or function name does not conform to the naming convention for Python code

C0303: Trailing white space

This warning is raised when there is trailing whitespace at the end of a line.

C0304: Missing final newline

This warning is raised when there is no final newline at the end of a file. This can cause issues with some text editors and tools.