Dhirubhai Ambani
Institute of Information and Communication Technology

**Subject: Software Engineering**

**Subject code: IT314**

**Lab 5**

Date of submission: 3-15-2023

Due date of submission: 3-15-2023

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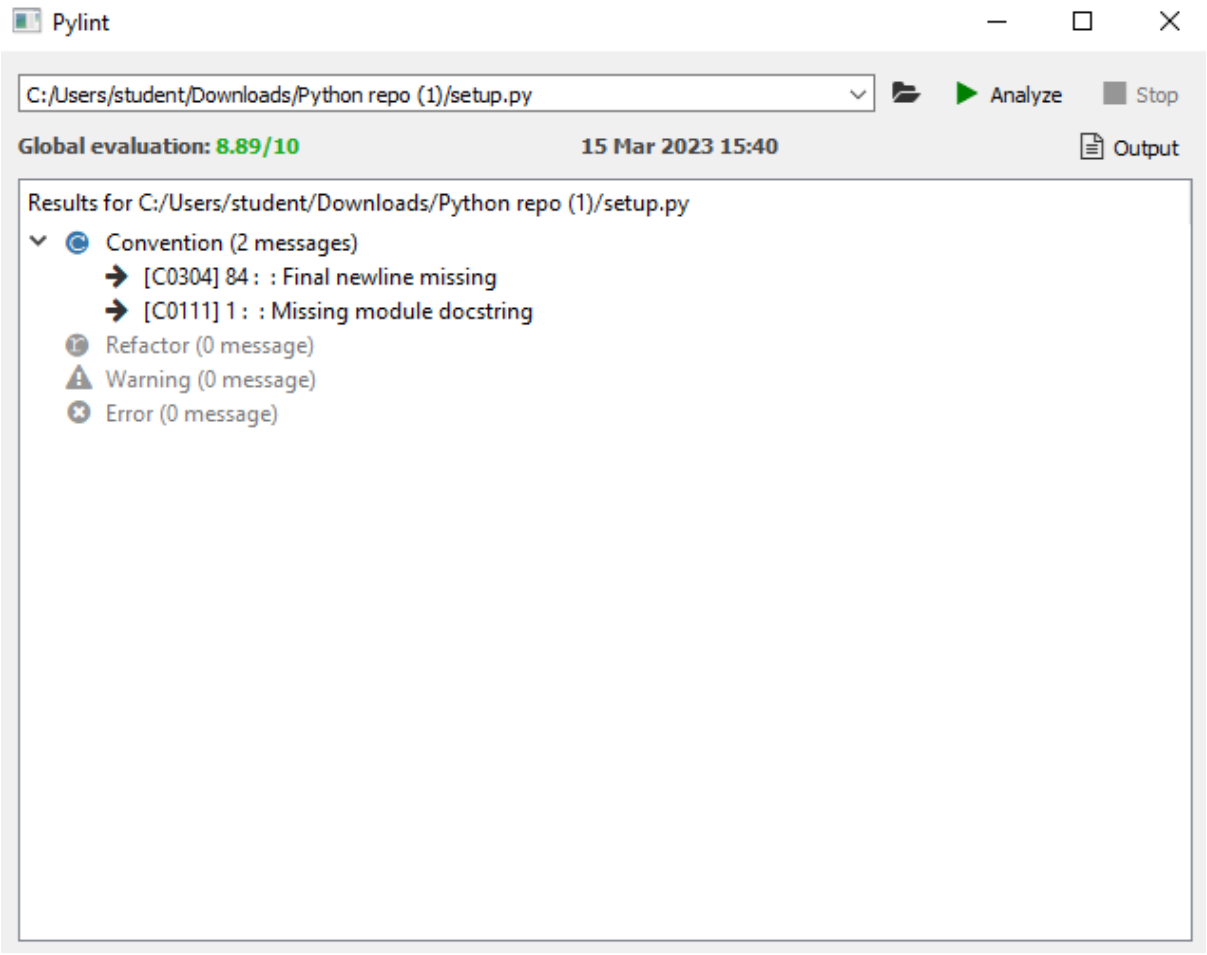
Link of the repository - https://github.com/kubernetes-client/python

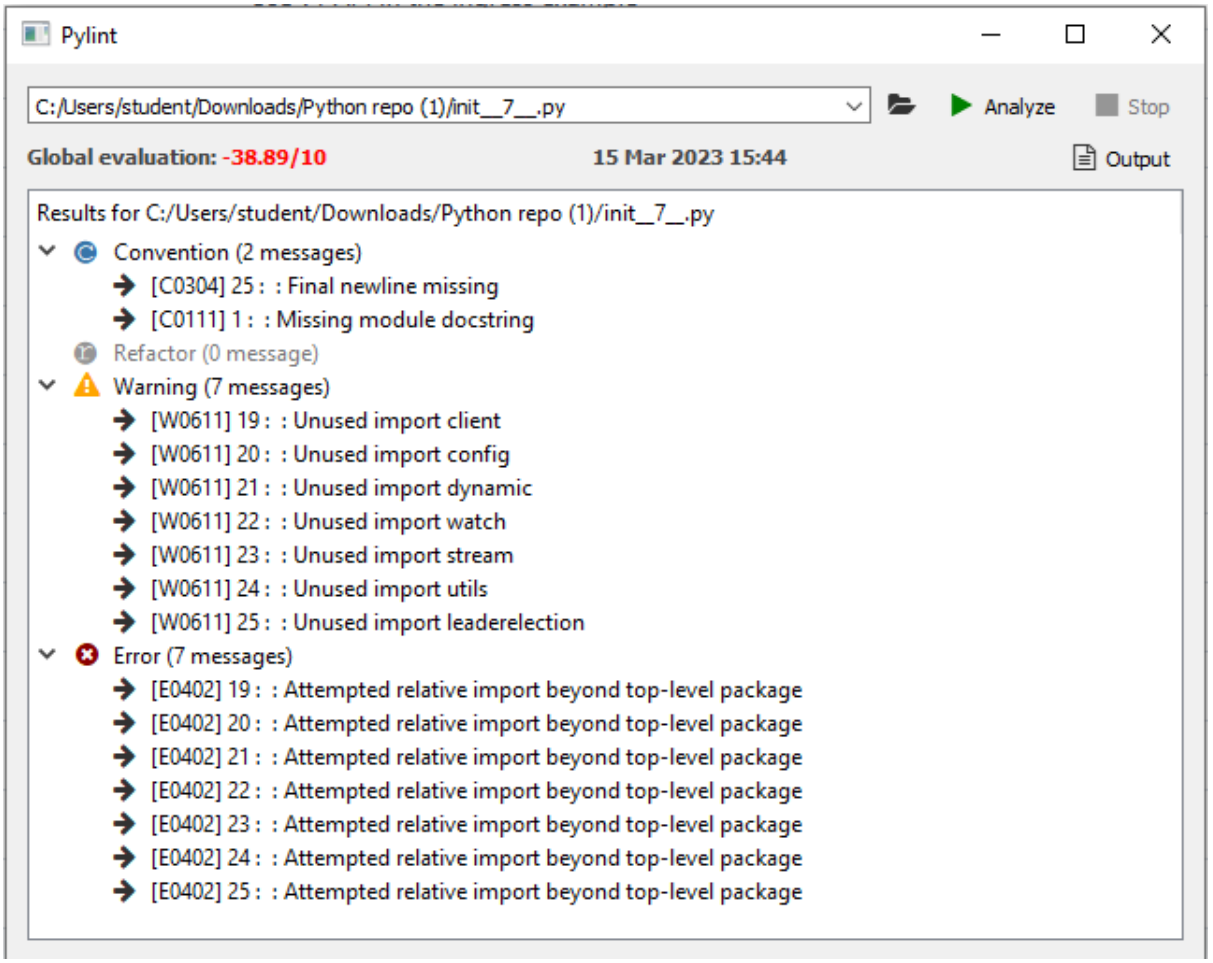
The Static Analysis tool that I selected was - **Mypy**

Screenshots of Static Analysis

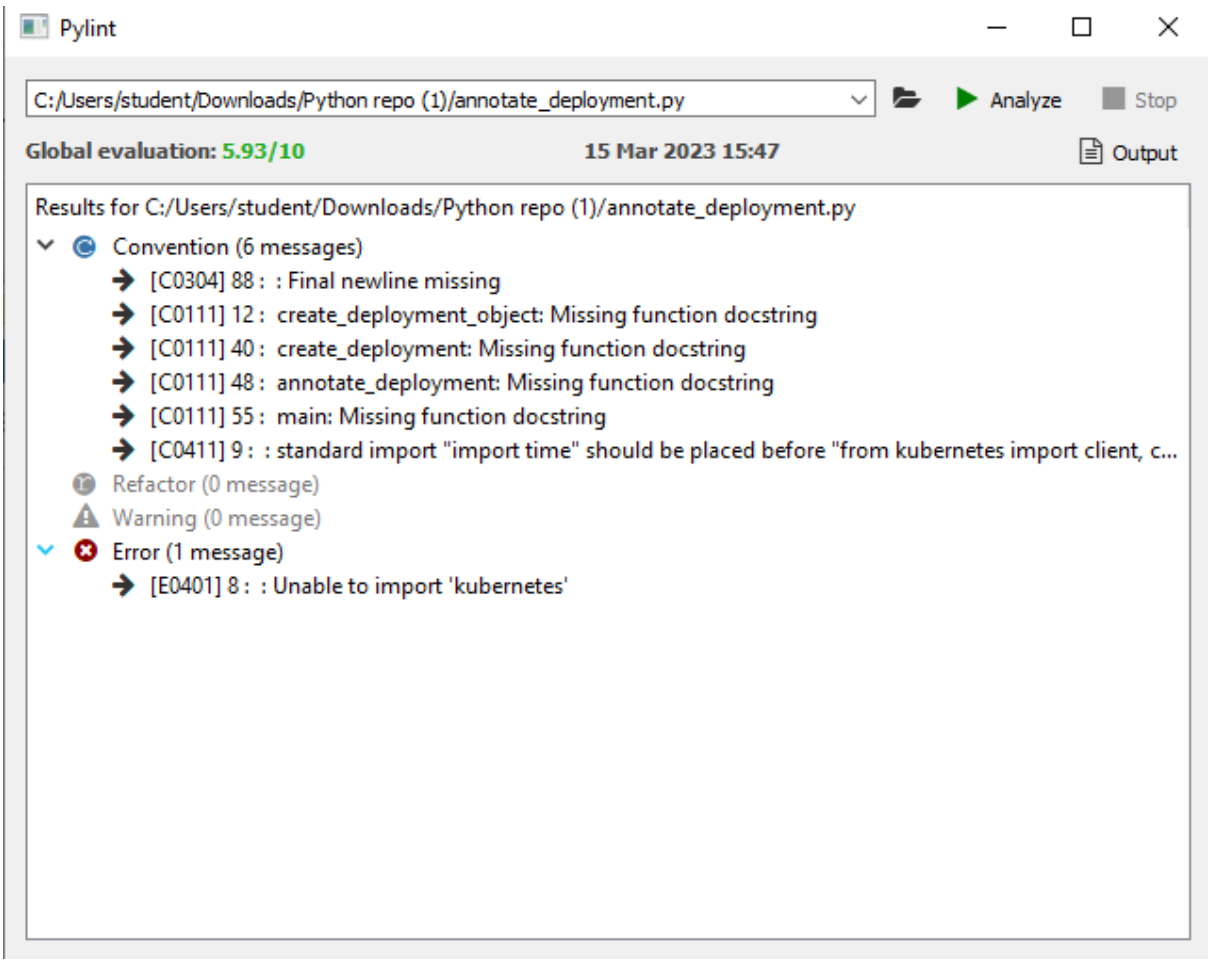
setup.py



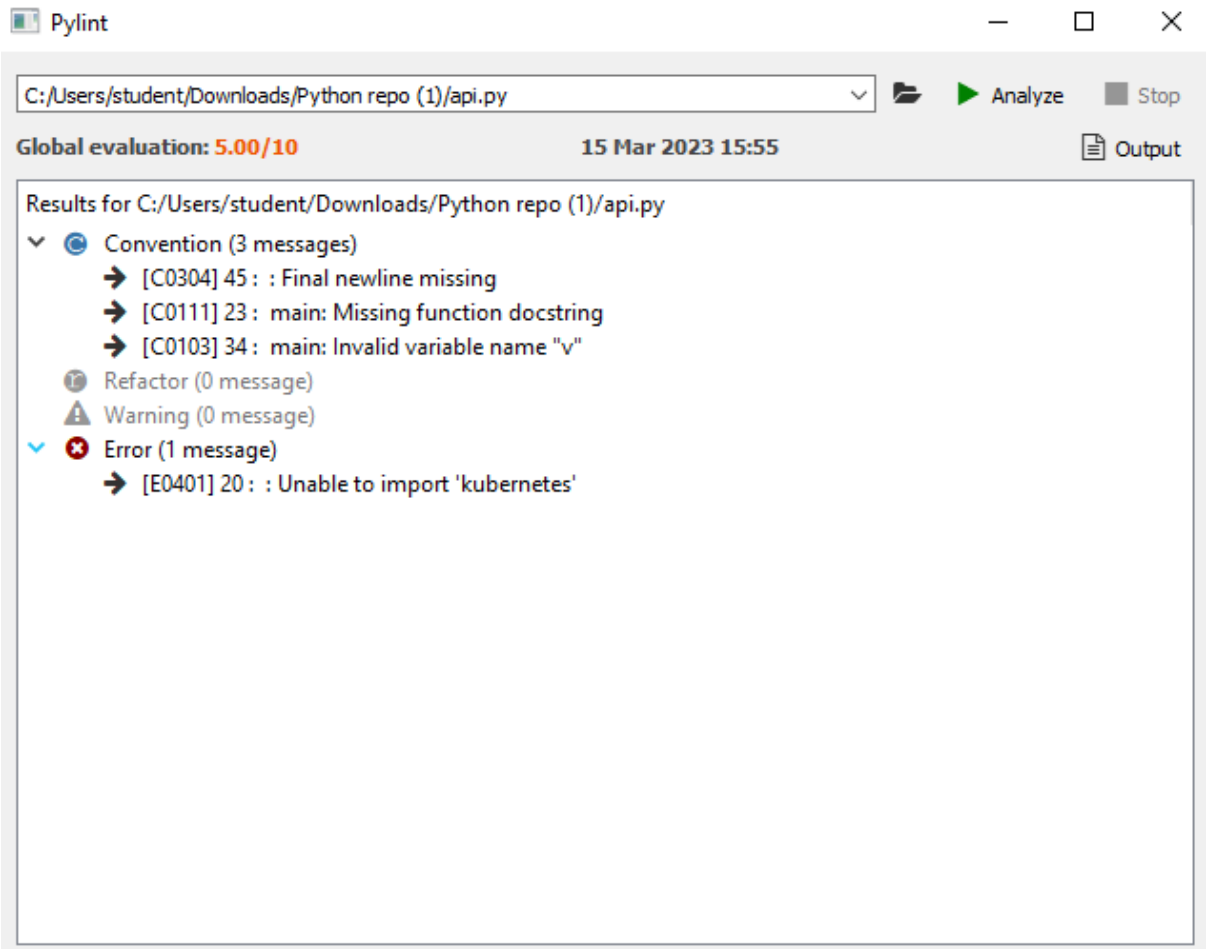

init.py




annotate_deployment.py


Pylint
C:/Users/student/Downloads/Python repo (1)/annotate_deployment.py
Analyze
Stop
Global evaluation: 5.93/10
15 Mar 2023 15:47
Output
Results for C:/Users/student/Downloads/Python repo (1)/annotate_deployment.py
Convention (6 messages)
[C0304] 88 : : Final newline missing
[C0111] 12 : create_deployment_object: Missing function docstring
[C0111] 40 : create_deployment: Missing function docstring
[C0111] 48 : annotate_deployment: Missing function docstring
[C0111] 55 : main: Missing function docstring
[C0411] 9 : : standard import "import time" should be placed before "from kubernetes import client, c...
Refactor (0 message)
Warning (0 message)
Error (1 message)
[E0401] 8 : : Unable to import 'kubernetes'

api.py




## Understanding of the errors

Software tools can assist programmers with identifying and resolving bugs, flaws, security holes, offensive code, and other coding problems. Tools for static analysis can also measure several parameters of the complexity, readability, maintainability, and documentation. The continuous integration pipeline, version control system, or code editor can all include static analysis tools as a component of the development process.

Some of the errors were not relevant and meant nothing but some were insightful helping in better runnability of code.