**Static code analysis:**

Analysis of code can be done by checking for compilation time errors, run time errors, exceptions, indentation errors, doc string errors etc.

Firstly, I took pylint tool for analysing python programs.

I installed it through a command:

**python -m pip install pylint**

After installing I selected a python code of finding a year is leap year or not i.e., leapyear.py

pylint leapyear.py

Above command is used to analyse the python code and I got score of -3.75/10.

Then I analysed the code and found some of the errors such as follows:

1. Indentation Errors
2. Doc String Errors
3. Syntax Errors
4. Camel Case Errors

I debugged above errors and I got score of 10/10.