**Analysing python code:**

* We need to install the sonarscanner, pylint and sonarpython plugin to analyze the python code
* We can either install the plugin from **sonar\_dashboard🡪administration🡪marketplace**. Search for python plugin
* Or we can download the plugin from sonar official website and place it in **SONAR\_HOME/extensions/plugins** folder and restart the sonar server
* Once this plugin is installed, we are good to go with analyzing the python code

**Pylint:**

* This sonarpython plugin internally uses the pylint tool to analyze the python code

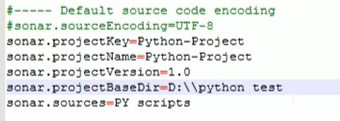
So, we need to install pylint with below command

* **Pip install pylint**

Once this is installed, sonar uses this tool to analyze the python code

**Sonar project properties:**

* After this, we can go to conf directory inside sonar-scanner installed directory and add the below properties into “sonar-scanner.properties” file



* Here, sonar first goes to base directory and then look for source’s directory in inside that
* Once this is all done, we can go to the bin directory in sonar-scanner installed folder and run the **“sonar-scanner”** script file
* Once we do that, it will take the values from sonar-scanner.properties file and execute the analysis with default rules available in sonar quality profiles

We can also pass these parameters directly in sonar-scanner command as below

* **sonar-scanner -Dsonar.host.url=https://tdsdevson.eyasp.in/ -Dsonar.projectName=TDS-SinglePan-Validation -Dsonar.projectKey=TDS-SinglePan-Validation -Dsonar.language=py -Dsonar.login=1bad290f3d2528a6e00b003ca843e2336d5d4492**

By default, sonar-scanner properties file contains the locathost as a sonar web URL, we can modify it if we want

