**TP Analyse statique – Dette Technique**

**A renvoyer au format .pdf à cette adresse :**

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**Avec « [TP INSA DT] » comme intitulé**

|  |  |
| --- | --- |
| Date :  Nom :  Prénom : | Note : |

# Context :

# Python Testing Example: unittest

This is the example project for [Python Testing 101: doctest](https://automationpanda.com/2017/03/06/python-testing-101-doctest/), part of the [Python Testing 101 series](https://automationpanda.com/2017/03/06/python-testing-101-introduction/) from [Automation Panda](https://automationpanda.com/). It will work for Python 2 and 3.

## Project Structure

This project has two packages:

* com.automationpanda.example contains calc.py, which has a basic Calculator class.
* com.automationpanda.tests contains test\_calc.py, which contains unittest test cases.

## Group

Choose your Group and set the column "Name" of the googlesheet "Identifiers-TP" <https://docs.google.com/spreadsheets/d/1p7gKri37ioQVs517oSxreZ9eFs0bAkwmTSx-rDYbqLI/edit?usp=sharing>

## TP N°1 Technical Debt (part 1)

Download or Clone the repo : git clone <https://github.com/Vincent-Louis-DGA/CalcCodeCoverage/>

## Configure your own sonar-project.properties (root of the repository)

Set these parameters in your own sonar-project.properties (this file is at the root of your cloned repo) : sonar.projectKey, sonar.projectName, and sonar.login.

For instance Group-00

# Required metadata

sonar.projectKey=Group-00

sonar.projectName=Projet VincentLouis-PerrineLabarthe

sonar.projectVersion=1

# Language

#sonar.language=python

# Comma-separated paths to directories with sources (required)

sonar.sources=.

sonar.python.coverage.reportPaths=test/coverage.xml

# Encoding of the source files

sonar.sourceEncoding=UTF-8

sonar.host.url=https://lintycloud.linty-services.com

sonar.login=ac3bbaa6cexxxxxxxxxxxxxee9a3164cec

## Running SonarScanner

To run sonarscanner, download it <https://binaries.sonarsource.com/Distribution/sonar-scanner-cli/sonar-scanner-cli-4.6.2.2472.zip>, unzip the file and then execute the following command (in a terminal drag and drop sonar-scanner script) at the root of the repository, let's say on sonar-project.properties

* /Users/path/to/sonar-scanner-yourVersion-yourOS/bin/sonar-scanner

## Results analysis

Find your project at this url <https://lintycloud.linty-services.com>

1. Provide a synthesis of bugs, code smell or vulnerabilities (Overall Code) – dashboard screenshot

## TP N°1 Technical Debt (part 2)

2 - Add python files in your repo

3 - Re-run sonarscanner

4 - Provide a synthesis of bugs, code smell or vulnerabilities (New Code)

5 - Define a remediation startegy