

PL401μ Optimisation Practices and Tips for Python Code

Mission 3: Python virtual machine

This assessment evaluates the following competencies:

- *PP601 – Measure the execution time of a given Python program*
- *PP703 – Optimise a Python program to improve its execution speed*
- *PP603 – Audit a given Python program regarding its performances*
- *PP704 – Install and run a Python program on different Python virtual machines*

In this mission, you have to write a small Python program, run it with the default interpreter *CPython* and with the *Pypy* interpreter and compare the obtained performances in term of execution time.

To succeed the mission, you have to show the execution of the same program with the two interpreters and show that the execution is faster with *Pypy* than with *CPython*. Of course, you should find a program for which *Pypy* is more efficient than *CPython*.