LETTERKENNY INSTITUTE OF TECHNOLOGY

ASSIGNMENT COVER SHEET

Lecturer's Name: Ruth Lennon

Assessment Title: OOPR For Server Admin

Work to be submitted to: Ruth Lennon

Date for submission of work: 05/11/2021

Place and time for submitting work: Blackboard as per submission link

To be completed by the Student

Student's Name: Luis Gonzalez

Class: OOPR For Server Admin

Subject/Module: OOPR For Server Admin

Word Count (where applicable): N/A

I confirm that the work submitted has been produced solely through my own efforts.

Student's signature: Luis Gonzalez **Date:** 05/12/2021

Notes

Penalties: The total marks available for an assessment is reduced by 15% for work submitted up to one week late. The total marks available are reduced by 30% for work up to two weeks late. Assessment work received more than two weeks late will receive a mark of zero. [Incidents of alleged plagiarism and cheating are dealt with in accordance with the Institute's Assessment Regulations.]

Plagiarism: Presenting the ideas etc. of someone else without proper acknowledgement (see section L1 paragraph 8).

Cheating: The use of unauthorised material in a test, exam etc., unauthorised access to test matter, unauthorised collusion, dishonest behaviour in respect of assessments, and deliberate plagiarism (see section L1 paragraph 8).

Continuous Assessment: For students repeating an examination, marks awarded for continuous assessment, shall normally be carried forward from the original examination to the repeat examination.

Aims/Description

As per Assignment Request:

"Written 1 page Conclusion"

Results

1. Current file, script and PyCharm project were uploaded to Student's GitHub Repository into OOPRAssignment_Q5
   https://github.com/L00170299/OOPRForServerAdmin

Conclusions

During the module (OOPR For Server Admin) student has learned a new object oriented language (python) that its going to be explored further as scripting language for future task/projects.

Some issues or challenges where found on the way as it is a coding language never used before, so some task that are usually easy because student has more experience on other languages.

On question 2, scrape websites is something student is used to do in a regular basis but suddenly trying to do it with different tools it just became more challenging than expected.
On the opposite case, on question 3, connect to a remote pc through ssh and run commands was something student was expecting more difficult. But the use of external modules made it much easier. So far this question was the favourite one. Once connection was tested and running student just couldn't help but adding more and more function/stuff that could help simplify it. Or at least that was the purpose.

On the rest of questions, challenges were trying to do simple things like how to handle errors?, how to decide if an option was passed or not?. Its interesting to trying to solve those issues that usually are not that hard when using well know tools like powershell, c#, sql, etc.. but at the same time having that experience allows to be more resourceful to find a solution, because there is a reference, a knowledge that suddenly connects and open many possibilities to either find solution that someone implemented on the past, or make something that looks like something that was used before.

The spent on the current module is not enough to learn everything about a new coding language but its enough to enable new options and if necessary it will explore deeply as student found very interesting the automation of DevOps pipelines to make life easier for developers, testers, user, etc.
Using python is not mandatory for these task but using it makes sense to learn it as it's used for many developers to script tasks.