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Module: OOP

## Question 7 – Conclusion

When I initially read this assignment, I was very overwhelmed. There was a lot of work involved and I really did not think I would be able to work through it all. However, I then broke it down question by question, wrote my own notes as to what steps I would need to take to be able to complete each question. I then looked at what questions, if any, were linked.

So, question 1 I actually found the easiest. I really enjoyed creating the server. It was my first time ever using an Ubuntu server. I loved the thrill of seeing my page on Chrome when I searched by the IP address! In a previous job, I worked in application management and seeing the application that we all worked so hard to build, go live was a huge thrill. This little thrill I felt seeing my very own server go live brought that same thrill. And I created it myself, albeit after having watched lecturer Danny McFadden during a class.

I found question 2 very hard and while I got there in the end, I only successfully got the headings to print. Funnily enough, when I was reading over the HTML code from the webpage, I understood most of it. I did a night course in web design many years ago, and while I have not used it much since, I remembered a lot of it. I had heard of parsing before but I never used it and while I did find writing the code difficult I developed a much greater understanding of how parsing works and why and where it could be of benefit.

I also found question 3 very hard as it’s python code. Writing code is not one of my strengths! I have lots of experience running other people’s code and reading through reams of error messages to find errors. I got plenty of opportunities to read my errors with this one! I would doubt that my code is very elaborate however I got my IP address to display so it must be functional at the least! I spent a lot of time on this question experimenting on different ways to try and connect. I used Putty initially to make sure that the servers ssh port was actually open. Once I confirmed that I continued to work on getting the code to work.

Question 5 had two parts. I had created a VM for question 1 and in my haste and enthusiasm to get started I installed curl, netmiko and paramiko on that server. So I created a new VM for this question. I then ssh’d into the server and installed Curl via the putty command tool.

The second part of question 5 was to write a python script. I used some of my code from Q3 to ssh into the VM. I then used part of Ruth’s code to create the directory. My lab structure was successfully created on the VM.

So the last lab to be worked on was Terraform. While this was a very long piece of work, I really enjoyed it. I followed the tutorial notes given by Ruth Lennon and I successfully created the instances on AWS.

## Final thoughts

Having gone through all the questions 1-6 I have to say that I found them quite tough, but I did enjoy the end seeing the successful output. Coding does not come naturally to me and there has been a steep learning curve but I love learning new things. I love making and building things in my spare time, and the end outcome of them all is that the thrill of the finished product makes the process worth it. The design process, analysing mistakes and experimenting along the way makes the process all the more fun.

I have done my best on all questions and put a lot of time and effort into them. And while I may not have gotten everything exactly correct, I have documented my steps along the way. While I have found it hard and stressful, it has been rewarding when the code worked!