COLLEGE OF SCIENCE & HEALTH

School of Computing

Bachelor of Science (Honours) in Computer Science (Infrastructure)

Programme Code: DT211C

YEAR 2 (2015)

Operating Systems and System Administration

Dr Martin McHugh

Student Name	Kingsley Chimezie
Student Number	C14468272
Class Group	Group A
Assignment Title	Assignment 7
Date Issued	
Date Due	11 December 2015
Date Submitted	19 January 16

DECLARATION

I hereby certify that the material, which is submitted in this assignment/project, is entirely my own work and has not been submitted for any academic assessment other than as part fulfilment of the assessment procedures for the programme DT211C - Bachelor of Science (Honours) in Computer Science (Infrastructure).

Students Signature: **Kingsley Chimezie**

Date: **19th of January 16**

CONTENTS

TABLE OF FIGURES

No table of figures entries found.

Assignment Criteria

1. Program functionality

In my opinion my program functions reasonably well and I feel it meets the requirements, for the most part, however I felt I should have added more functionalities for error checking. The menu system I have implemented works correctly with some added features, e.g. I made sure to use the clear command which greatly impacts the look of the program. My script was written through SSH on a free public Linux server by xShellz.com (xShellz, n.d.). The server ran my script accurately, however, there were some difficulties which I have mentioned in heading 2, difficulties encountered.

2. Quality of Code

I believe that the quality of my code is of a good standard, I made use of different functions, commands, whitespaces etc. I believe my code is very neat and readable. However there could have been some more room for improvement on certain required functions. Any issue with the quality of code are also mentioned in heading 2.

3. Comments

I made good use of comments within my code. Every function has a commented title describing what the function is about and what it does. My comments are clear and not too broad.

4. Documentation

All aspects of my assignment have been well documented, I have covered each assessment criteria:

- Program Functionality
- Quality of code
- Comments
- Documentation

I have also discussed:

- Any difficulties encountered
- Length of time spent working on the assignment
- What I've learned from completing the assignment
- My evaluation of the assignment

Difficulties encountered

I found it a bit difficult finding the right command for a particular function I had not previously worked on before. One of the drawback was on menu option ‘i’. I found it difficult to organise the ‘ls –l’ command, as required in the brief. I also tested my script using git Bash Unix system, however, Bash does not read any of the escape characters within my strings. Most of the accurate functionality showed on the Linux server.

Testing my script locally would have also been more beneficial because I sometimes had problems with the online server dropping out. This caused a major delay with my assignment as I had to wait some time before connecting back onto the server. I tried connecting to the college’s UNIX system using putty but that was unsuccessful each time. Preferably, I would have liked to have installed Ubuntu on my own PC as a dual boot or virtually. However, I never got the chance to set either of them up.

Time spent on the assignment

Initially, I tried my best to start my assignment as soon as possible, however, I had many personal obstacles which prevented me from getting my work done. As of the submission date, I have spent approximately 8 hours in the college Lab to complete my assignment. I had a lot of catching up to do. The lab was extremely useful because it provided me with the necessary tools needed to complete my assignment. The majority of my time was spent researching and learning from tutorials (Tutorialspoint, 2015) online.

What I’ve learned by completing the assignment.

I’ve learned quite a lot by completing my assignment. Like many other languages, I noticed with UNIX there are many options available to complete a particular task. This was always a known factor, especially when coding. However, the assignment was a great experience and it truly showed this. It was challenging and it’s showed me how much I need to practice and keep on improving. I also realised how useful UNIX can be, the more I researched, the more I learned and ultimately the more I realised its usefulness. A lot of the assignment requirements were based on work we’ve covered in labs during the semester. I did forget a decent amount of what I’d previously learned, however, it all came back to me. This also showed the importance of why practice makes perfect.

Evaluation of the assignment.

I felt the assignment was extremely fair and just right. Although I did find a decent portion of the assignment difficult, I also thought it would have most certainly been very easy if I had practiced more beforehand. There were many materials provided to assist in the completion of the assignment.

References

Tutorialspoint, 2015. *Unix Tutorial.* [Online]
Available at: http://www.tutorialspoint.com/unix/
[Accessed December 2015].

xShellz, n.d. *xShellz.com.* [Online]
Available at: https://www.xshellz.com/aboutus
[Accessed December 2015].