

207SE – Operating Systems, Security and Networks

Portfolio 2: Feedback Sheet

Lab Activity 13 – Fork Menu

Feedback

Strengths:

Basic Activity

- You successfully create the menu options to run multiple processes that perform Linux commands and ping the website.

Advanced Activity

- You successfully coded the option to have two child processes that ping separate websites.

Improvements:

Basic Activity

- You should have shown the child's PID in the parent. The child's PID is the return value to the parent process.

Advanced Activity

- Add the option for the parent to kill the child.
- You should have killed the child from the parent. You appear to have got a process to kill itself.

Lab Activity 14 – Process Manipulation

Feedback

Strengths:

Basic Activity

- You successfully compare nohup, screen and disown.
- You explore the Watch Command and give an example of it.
Appropriate set of references.

Advanced Activity

- Excellent, you have most of the process manipulation activities.

Improvements:

Basic Activity

- None, you complete all the basic tasks of Lab 14.
- Explore the Watch Command and give an example of it.

Advanced Activity

- Gives more different examples of starting a process.

Lab Activity 15 - Synchronisation 'Hole in Bucket'

Feedback

Strengths:

Basic Activity

- You successfully got the song printed on the screen using semaphores.

Improvements:

Basic Activity

- None, you complete the basic task for Lab 15.

- You could have removed the sleep text.

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<u>Advanced Activity</u> - You get the text to the files using stderr and stdout.	<u>Advanced Activity</u> - Complete the Advanced Tasks for Lab 15. - You should get the text on the screen and in two files.
Lab Activity 16 – Consumer/Producer	
Feedback	
Strengths: <u>Basic Activity</u> - You describe clearly what the consumer producer problem is. - Without the use of shared memory you create a circular buffer. <u>Advanced Activity</u> - No attempt made at the advanced task for Lab 16.	Improvements: <u>Basic Activity</u> - None, you complete the basic activity. <u>Advanced Activity</u> - Complete the code to solve the consumer/producer problem using shared memory and a circular buffer.
Lab Activity 17 – TCP Server	
Feedback	
Strengths: <u>Basic Activity</u> - No attempt made at the basic task for Lab 17. <u>Advanced Activity</u> - No attempt made at the Advanced task for Lab 17.	Improvements: <u>Basic Activity</u> - Attempt the basic task for Lab 17. - Comment the code with the required level of detail. <u>Advanced Activity</u> - Attempt the advanced tasks for Lab 17. - Comment the code with the required level of detail.
Lab Activity 19 – Operating System Security	
Feedback	

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Strengths:

Basic Activity

- Outstanding, you complete the protection domain matrix, access list and capability list.

Advanced Activity

- You successfully create the code to create the password.

Improvements:

Basic Activity

- None, you complete all of the basic tasks for Lab 19.

Advanced Activity

- None, you complete the advanced task for Lab 19.

Presentation

Feedback

Strengths:

Structure of the Report

- The report has an excellent layout and structure.

Presenting the Outcomes from the Tasks

- The outcomes presentation has an excellent feel.
- Some screenshots are missing.

References

- Good Referencing.

Contents Page and Page Numbers

- Excellent you include a contents page and page numbers.

Presentation of the Code in the Report

- You present the code in a clear manner.

Improvements:

Structure of the Report

- The report needs a little work on the layout and structure.

Presentation of Outcomes the Tasks

- The presentation of outcomes needs a little work.

References

- Make a little better use of references.

Contents Page and Page Numbers

- None, content page and page numbers present.

Presentation of the Code in the Report

- None, the look is appropriate.
- Add the missing code.

Overall Comments

Overall a very good attempt at this Portfolio.

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