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**Learning Report**

Linux OS & Programming



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| **Ver. Rel. No.** | **Release Date** | **Prepared. By** | **Reviewed By** | **To be Approved By** | **Remarks/Revision Details** |
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**Document History**

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# Activities

# Activity 1 – Linux OS and Libraries linking

**Type of Activity**: Individual

**Goal of Activity**: To work on Linux os commands and makefile libraries.

**Topics covered:** Linux OS Architecture, GCC & Build Process, Utilities, Static & Dynamic Libraries.

**Learning Outcomes:** Was given activity based on the topics tutored like creating multiple functions with many operations like string compare, concatenation and creating makefiles depending on the conditions.

**Challenges:** While doing dynamic and static makefiles

**Learning Resources:**

https://www3.ntu.edu.sg/home/ehchua/programming/cpp/gcc\_make.html

**References:**

Linuxmint.com

# Activity 2 – Linux OS and Libraries linking

**Type of Activity**: Individual

**Goal of Activity**: To work on Linux os commands, signals, threads, Process and do the activity based on that

**Topics covered:** Linux OS Architecture, Process, Threads. Signals, Process life cycle.

**Learning Outcomes:** Was given activity based on the topics tutored like threads, process , signals and worked on different kinds of examples. In the signal example was given the task of terminating the pid of a process

**Challenges:** While creating threads and working on that

**Learning Resources:**

<https://www.geeksforgeeks.org/input-output-system-calls-c-create-open-close-read-write/>

<https://www.csl.mtu.edu/cs4411.ck/www/NOTES/process/fork/create.html>

* <https://linuxhint.com/linux-exec-system-call/>

**References:**

Linuxhint.com