Operating System Lab Report

(ITL252)

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Branch: Information Technology

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Lab 01 → Install any version of Ubuntu on your system and learn the basic shell commands

Lab 02 → Implement the process manipulation system calls like fork(), exec(), etc.

Lab 03 → Implement the file manipulation system calls like open(), close(), etc.

Lab 04 → Implement the system calls for manipulating the file descriptors.

Lab 05 → Implement the system calls for Inter-Process communication.

Lab 06 → Implementing the new signal handlers for the standard signals.

Lab 07 → Understand the use of free and pmap utilities in Linux.

Lab 08 → Install the Qemu emulator on your system and run xv6 operating system on Qemu.

Lab 09 → Implement a multi-threaded program doing the matrix multiplication using multiple threads.

Lab 10 → Use Pthread lock functions to provide solution to the critical section problem.

Lab 11 → Implement the condition variables and semaphores using Pthread library.

Lab 12 → Understand the working of file system calls in xv6.

Lab 13 → Understand the working of file status system calls in xv6.

All the above lab Implementations are provided in a *zip file* providing along with this.

Regards,

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