**Report Proposal**

*Linux – Competing but Misunderstood Kernel or… OS?*

In the entirety of the topic Operating Systems, I have decided to write my report on the operating system, more like kernel Linux.

I understand people always get confused between Ubuntu and Linux – are they the same? Which is the better OS? Similarly, they confuse Linux with GNU/Linux resulting in a big crowd residing since years in the confusion zone of difference in kernel and Operating System. I would like to mention the OS (GNU/Linux) and how it is different from Linux – the Kernel. The fine line where a kernel becomes an OS, difference in the functionalities’ responsibilities for the two – would be a little area I would cover just to set the base to talk about Linux.

Memory Management and Virtual Memory that comes under the System calls – handled by Kernels is an important topic to understand when learning about OS. There is a lot of information on Web about Linux’s Memory Management/Virtual Memory. After Microsoft Windows and macOS, Linux is the widely used and famous OS (kernel) used by people. It is interesting to understand and compare Linux’s memory management from that of the other two famous OS. I would like to include these topics in my report.

In conclusion, I would like to write about Linus and how it is misunderstood as an OS all the time. While talking about Linux, discussing its memory management is only fair and hence that along with the Virtual Memory would be my main topic of discussion in the report.

<https://www.kernel.org/doc/html/latest/admin-guide/mm/index.html>

<https://edu.gcfglobal.org/en/computerbasics/understanding-operating-systems/1/> : Intro to OS

<https://www.lawyersnjurists.com/article/report-linux/> : Linux

<https://www.tutorialspoint.com/operating_system/os_memory_management.html>