

| **Branch/Semester** | BSc. IT (Cloud & Application Development) / II |
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| **Subject Name:** | Linux Essentials |
| **Subject Code:** | 05CA0205 |
| **Assignment:** | Assignment No. 1 (Basics of Linux) |
| **Date:** | 6th January 2025 |
| **Faculty Name:** | Prof. Abhishek Chauhan |

| **1.** | Install Linux using WSL2/VMWare/ Virtual Box on Windows or create a dual boot with Linux and Windows. |
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| **2.** | Use pwd, ls, and cd to navigate through directories. |
| **3.** | Create files using touch, rename using mv, and delete using rm. |
| **4.** | Use cat, less, and head to view files. Modify files using echo and nano. |
| **5.** | Create nested directories using mkdir and remove them using rmdir. |
| **6.** | Search for patterns in a file using grep and sort data with sort. |
| **7.** | Use commands like uname, whoami, and df to get system details. |
| **8.** | View active processes using ps, terminate a process with kill, and manage background tasks with jobs. |
| **9.** | Download a file using wget and find its location with locate. |
| **10.** | Perform a sequence of commands to create, organize, search, and sort files within a directory. |