

Aparna Web Services

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Faculty Development program Course content

(This course typically takes about 15 hours of time and is a completely hands-on course)

1. Why Linux? What are the opportunities in linux? Who uses Linux?
2. Absolute paths and relative paths
 - a. File system permissions
 - b. File system related basic commands
3. Linux server services
 - a. General service concepts and commands
 - i. Start
 - ii. Stop
 - iii. Restart
 - iv. Reload
 - v. status
 - b. FTP Keeping your own study material for download through ftp
 - c. HTTP Using your own directory to host online notes and assignments
 - d. XRDP service to connect to the server using GUI
 - e. MySQL / MariaDB service
 - f. Tips and tricks to reduce your server load

4. Connecting to the server
 - a. Telnet
 - b. Ssh
 - c. Ssh with graphics mode enabled
 - d. rdesktop
5. How to use GEDIT editor to edit any program
6. How to compile and run c programs in a terminal
7. How to write a c++ program in Linux (It is slightly different from turbo c)
8. How to compile and run the c++ program
9. How to edit, compile and run java programs
10. Using Electronic circuit simulator