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Course: 502: UNIX & Shell Programming

Course Content	<p>Unit 1. Introduction</p> <ol style="list-style-type: none">1.1. Features of Unix OS1.2. System Structure1.3. Shell & its features1.4. Kernel1.5. Architecture of the UNIX OS <p>Unit 2. Overview</p> <ol style="list-style-type: none">2.1 Logging in & out2.2 I node and File Structure2.3 File System Structure and Features2.4 Booting Sequence & init process2.5 File Access Permissions <p>Unit 3. Shell Programming</p> <ol style="list-style-type: none">3.1 Screen Editor “vi”3.2 Environmental & user defined variables3.3 Argument Processing3.4 Shell’s interpretation at prompt3.5 Arithmetic expression evaluation3.6 Control Structure3.7 Redirection3.8 Background process & priorities of process3.9 Conditional Execution <p>Unit 4. Advanced Shell Programming</p> <ol style="list-style-type: none">4.1. Filtering utilities: grep, sed etc.4.2. awk utility4.3. Batch process4.4. Splitting (cat, cut, head and tail), comparing (cmp, comm., diff), Sorting(sort), Merging & Ordering files (paste, uniq) <p>Unit 5. Communication with other users</p> <ol style="list-style-type: none">5.1 write, wall and mesg5.2 mail, motd and news
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