Session 10 - Vim Lab (Student Version)

Slide 12 - Lab: 1h30 Guided Vim Lab  
Title: Create, Modify, and Submit a Structured Vim File

**Initial Setup**

Open a terminal and run:  
mkdir vim-lab && cd vim-lab  
vim student\_file.txt  
You will perform all tasks in the same file: student\_file.txt.

**Step 1 - Insert & Structure (15 min)**Goal: Create a structured base using insert commands  
Task:  
1. Open the file and write this word as your first line: Sunshine  
2. Insert the text 'Good Morning: ' at the beginning of that line.  
3. Append the text ' to everyone!' at the end of the same line.  
4. Create a new line below and type: It's a beautiful day.  
5. Create a new line above the first line and type: Start of the message:  
Save your file with :w when done.

**Step 2 - Navigation & Motion (10 min)**  
Goal: Move around without arrow keys  
Task:  
1. Move to the top of the file: gg  
2. Move to the bottom of the file: G  
3. Navigate words with w, b  
4. Go to start of line: 0, end of line: $  
5. Move 2 lines down: 2j  
Add this line at the bottom of your file:  
" Used gg, G, 2j, b, 0, $ for navigation"  
Save with :w

**Step 3 - Delete, Copy, Undo (15 min)**Goal: Practice deletion, copy-paste, and undo-redo  
Task:

1. Go to the word 'Sunshine' in your file and delete just that word.  
2. Undo your previous change.  
3. Redo the undo.  
4. Copy the current line you're on.  
5. Move to the end of the file and paste the copied line.  
6. Delete one character of your choice on any line.  
Add this comment line at the bottom:  
" Used deletion, undo, redo, copy, paste, and character removal"  
Save with :w

**Step 4 - Visual Mode Editing (15 min)**  
Goal: Use visual, line, and block modes to manipulate text  
Task:  
1. Select the word 'everyone' using character-wise visual mode and copy it.  
2. Move your cursor after the word 'Morning' and paste the copied word.  
3. Select an entire line and copy it, then paste it below another line.  
4. Use block visual mode to select the first two characters of two different lines and indent the block.  
Add: " Used visual, line, block modes, copy and paste, indent"  
Save with :w

**Step 5 - Search and Replace (10 min)**Goal: Use interactive replace across the document  
Task:  
1. Add the line: Happy Happy Happy  
2. Perform a search and replace across the file, replacing 'Happy' with 'Joyful', with confirmation.  
Add: " Used search and replace with confirmation"  
Save with :w

**Step 6 - Combine Formatting Tools (15 min)**  
Goal: Practice combining advanced commands  
Task:  
1. Copy two consecutive lines in your file.  
2. Move below and paste the copied lines.  
3. Indent the newly pasted lines.

4. Enable line numbering in Vim.  
Add: " Used line copy, paste, indentation, and line numbering"  
Save with :w