

Step-by-Step Manual for Using Vim and Nano Editors

Task 1: Run the Vim Tutorial

In this exercise, you will run the vimtutor application, which teaches you the basics of using the Vim text editor.

Step 1: Start the Vim Tutor Session

1. Open your terminal and type the following command:
2. `vimtutor`
3. Press Enter to start the tutorial session.

Step 2: Troubleshooting (if vimtutor is not found)

- If vimtutor does not work, you may need to install Vim by running the following command:
- `sudo yum install vim`
- You may need sudo privileges if you are not the root user.

Step 3: Complete Lessons 1-3

- Follow all instructions in the tutorial to complete lessons 1-3. These lessons will teach you how to move the cursor and use basic Vim commands.
- Your terminal window will display the lessons with guidance on how to complete each step.

Figure: Terminal showing vimtutor lessons.

Step 4: Exit Vim Tutor

- Once you complete lessons 1-3, exit the vimtutor session by typing:
- `:q!`
- Press Enter to quit without saving any changes.

Task 2: Edit a File in Vim

In this task, you will use Vim to create and edit a file named helloworld.

Step 1: Open Vim to Create a File

1. Open your terminal and type the following command to create and open a new file called helloworld:
2. `vim helloworld`
3. Press Enter to open the file.

Figure: Terminal showing vim with the file helloworld.

Step 2: Insert Text

- In Vim, to enter text, you need to switch to Insert Mode.
- Press `i` to enter Insert Mode and type the following text:
- Hello World!
- This is my first file in Linux and I am editing it in Vim!
- Note: The bottom-left corner of the terminal indicates when you are in Insert Mode.

Step 3: Save and Quit

- After entering your text, press ESC to exit Insert Mode.
- Save the file and quit by typing the following command:
- `:wq`
- Press Enter to save the changes and exit Vim.

Step 4: Reopen the File

1. Open the helloworld file again by typing:
2. `vim helloworld`
3. Press the up arrow key to recall the last used command, then press Enter.

Figure: Terminal showing the file helloworld with the original text.

Step 5: Add More Text

- To add more text, press `i` to re-enter Insert Mode, then type the following:
- I learned how to create a file, edit and save them too!
- After finishing, press ESC to exit Insert Mode, then quit without saving by typing:
- `:q!`

Step 6: Analyze Changes

- Open the helloworld file again and confirm that your new text is added as shown.

Figure: Terminal showing updated helloworld file.

Additional Challenge: Try Useful Commands

- **Delete a line:** Type dd in Normal Mode to delete a line.
- **Undo last action:** Type u in Normal Mode to undo the last command.
- **Save without quitting:** Type :w to save changes without exiting Vim.

Task 3: Edit a File in Nano

In this task, you will use the nano text editor to create and edit a file named cloudworld.

Step 1: Open Nano to Create a File

1. Open your terminal and type the following command to create and open a file called cloudworld:
2. nano cloudworld
3. Press Enter to open the file in Nano.

Figure: Terminal showing the nano editor with cloudworld.

Step 2: Start Typing

- Unlike Vim, Nano does not require you to switch to Insert Mode. You can start typing immediately.
- Type the following text:
- We are using nano this time! We can simply start typing! No insert mode needed.

Step 3: Save and Exit Nano

1. Press CTRL + O to save the file.
2. Press Enter to confirm the filename (cloudworld).
3. Press CTRL + X to exit Nano.

Step 4: Verify the File

1. To verify your changes, open the file again by typing:
2. nano cloudworld

3. Confirm that the text you typed is saved correctly.

Figure: Terminal showing the cloudworld file in Nano.

Step 5: Exit Nano

- To exit Nano, press CTRL + X.

Figure: Terminal showing how to exit Nano with CTRL + X.

By completing these tasks, you have learned how to use both Vim and Nano editors to create, edit, and save text files.