

CYSE 270: Linux System for Cybersecurity

Assignment: Lab 3 – VI Editor

Goal

- Practice using the vi editor.

Notes:

- Remember the “modes” in the vi editor.
- You may use the “Escape” key to return to command mode if you get confused and need

to start over.

Submission Instructions

- Take screenshots for each step you perform and write down the correct command corresponding to each step number. Submit this in a PDF file.

Task: vi Practice on Kali Linux (20 * 5 = 100 points)

Open the terminal in your VM, then complete the following tasks. Please take the screenshots

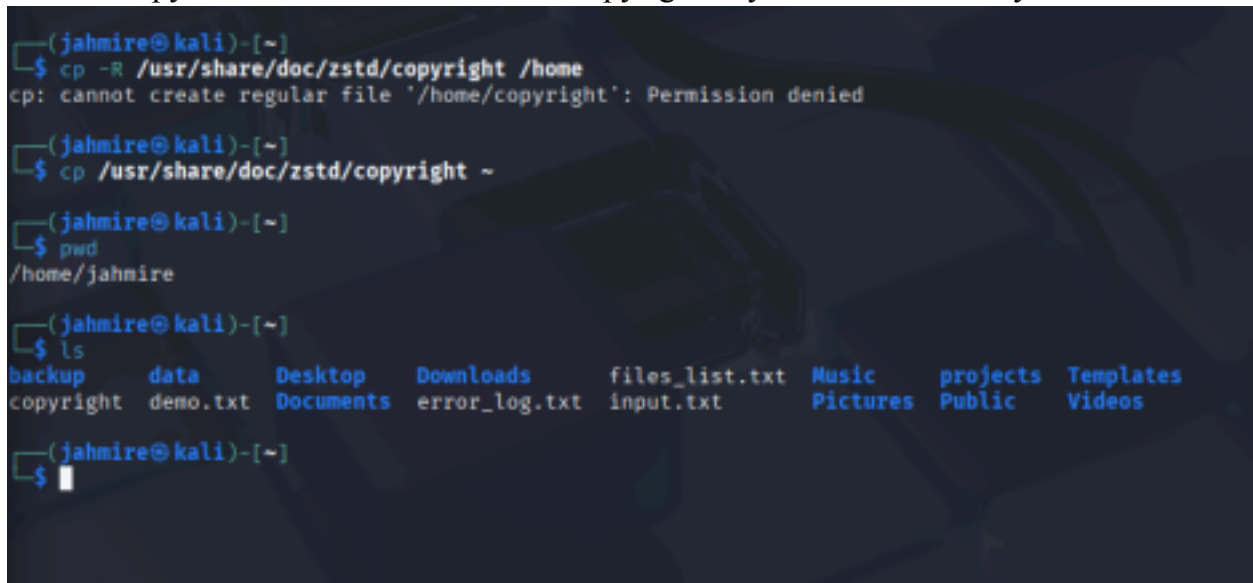
of all the necessary commands that you execute for each step and submit the screenshots with their step number in a pdf file.

NOTE: You may write the correct vi editor commands, if screenshot is not applicable.

Please see

the note added to some steps below.

1. . Copy the file /usr/share/doc/zstd/copyright to your home directory. Screenshot



```
(jahmire@kali)-[~]
└─$ cp -R /usr/share/doc/zstd/copyright /home
cp: cannot create regular file '/home/copyright': Permission denied

(jahmire@kali)-[~]
└─$ cp /usr/share/doc/zstd/copyright ~

(jahmire@kali)-[~]
└─$ pwd
/home/jahmire

(jahmire@kali)-[~]
└─$ ls
backup  data  Desktop  Downloads  files_list.txt  Music  projects  Templates
copyright  demo.txt  Documents  error_log.txt  input.txt  Pictures  Public  Videos

(jahmire@kali)-[~]
└─$
```

2. Perform a long list in your home directory using the correct command. Screenshot

```
(jahmire@kali)-[~]
└─$ ls -l
total 64
drwxrwxr-x 2 jahmire jahmire 4096 Sep  4 15:40 backup
-rw-r--r-- 1 jahmire jahmire 5332 Sep 13 18:41 copyright
drwxrwxr-x 4 jahmire jahmire 4096 Sep  3 17:30 data
-rw-rw-r-- 1 jahmire jahmire  0 Sep  4 15:43 demo.txt
drwxr-xr-x 2 jahmire jahmire 4096 Aug 28 17:14 Desktop
drwxr-xr-x 2 jahmire jahmire 4096 Aug 28 17:14 Documents
drwxr-xr-x 2 jahmire jahmire 4096 Aug 28 17:14 Downloads
-rw-rw-r-- 1 jahmire jahmire  63 Sep  4 16:04 error_log.txt
-rw-rw-r-- 1 jahmire jahmire 122 Sep  4 16:02 files_list.txt
-rw-rw-r-- 1 jahmire jahmire  12 Sep  4 16:02 input.txt
drwxr-xr-x 2 jahmire jahmire 4096 Aug 28 17:14 Music
drwxr-xr-x 2 jahmire jahmire 4096 Aug 28 17:14 Pictures
drwxrwxr-x 3 jahmire jahmire 4096 Sep  4 15:24 projects
drwxr-xr-x 2 jahmire jahmire 4096 Aug 28 17:14 Public
drwxr-xr-x 2 jahmire jahmire 4096 Aug 28 17:14 Templates
drwxr-xr-x 2 jahmire jahmire 4096 Aug 28 17:14 Videos

(jahmire@kali)-[~]
└─$
```

3. Open the file copyright in a vi-editor using vi command. Screenshot

```
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: Zstd
Source: https://github.com/facebook/zstd
Files-Excluded: build/V52008
                build/V52010
                build/V5_scripts
                programs/windres/*
                .buckversion
                .buckconfig
                .circleci/*
                .cirrus.yml

Files: *
Copyright: Yann Collet
           Przemysław Skibinski
           Martin Liska
           SUSE
           Meta Platforms, Inc. and affiliates
License: BSD-3-clause or GPL-2
Comment: Starting from 1.3.1 zstd's patent claim is removed
see: https://github.com/facebook/zstd/pull/801

Files: zlibWrapper/examples/*.c
Copyright: 1995-2006, 2011 Jean-loup Gailly
License: zlib

Files: zlibWrapper/gz*.c
Copyright: (C) 2004, 2005, 2010, 2011, 2012, 2013 Mark Adler
License: zlib

License: zlib
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   so in writing.
3. This notice may not be removed or altered from any source distribution.

Files: lib/dictBuilder/divsufsort.*
Copyright: 2003-2008, Yuta Mori
License: Expat
-- INSERT --
```

4. Move to line 15, then insert your MIDAS ID in the same line with the following format:

The command is xG

```
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: Zstd
Source: https://github.com/facebook/zstd
Files-Excluded: build/V52008
                build/V52010
                build/V5_scripts
                programs/windres/*
                .buckversion
                .buckconfig
                .circleci/*
                .cirrus.yml

Files: *
Copyright: Yann Collet
           Jahmire Whitehurst
           Martin Liska
           SUStags
           Meta Platforms, Inc. and affiliates
License: BSD-3-clause or GPL-2
Comment: Starting from 1.3.1 zstd's patent claim is removed
        see: https://github.com/facebook/zstd/pull/801

Files: zlibWrapper/examples/*.c
Copyright: 1995-2006, 2011 Jean-loup Gailly
License: zlib

Files: zlibWrapper/gr*.c
Copyright: (C) 2004, 2005, 2010, 2011, 2012, 2013 Mark Adler
License: zlib

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   in a product, an acknowledgment in the product documentation would be
```

****XXXX****(replace XXXX with your own MIDAS name). Screenshot + Write Command.

5. Return to the command mode. Write Command

The command is Esc

6. Open a new line below the current line using correct command (please refer to slides with the list of commands used in vi editor). Screenshot + Write Command. Command is a

```
Files: *
Copyright: Yann Collet
          Jahmire Whitehurt

          SUSE
          Meta Platforms, Inc. and affiliates
License: BSD-3-clause or GPL-2
Comment: Starting from 1.3.1 zstd's patent claim is removed
see: https://github.com/facebook/zstd/pull/801

Files: zlibWrapper/examples/*.c
Copyright: 1995-2006, 2011 Jean-loup Gailly
License: zlib

Files: zlibWrapper/gz*.c
Copyright: (C) 2004, 2005, 2010, 2011, 2012, 2013 Mark Adler
License: zlib

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2. Altered source versions must be plainly marked as such, and must not
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Files: lib/dictBuilder/divsufsort.*
Copyright: 2003-2008, Yuta Mori
License: Expat

Files: examples/*
Copyright: 2016-present, Yann Collet, Facebook, Inc.
License: BSD-3-clause or GPL-2
-- INSERT --
```

7. Return to the command mode. Write Command

The command is Esc

8. Use command to Insert “****XXXX ****” five times. Screenshot + Write Command

The command is yy then p

```
build/vs_script
****XXXX****
****XXXX****
****XXXX****
****XXXX****
****XXXX****
programs/windres/*
.buckversion
.buckconfig
.circleci/*
.cirrus.yml

Files: *
Copyright: Yann Collet
          Jahmire Whitehurt

          SUSE
          Meta Platforms, Inc. and affiliates
License: BSD-3-clause or GPL-2
Comment: Starting from 1.3.1 zstd's patent claim is removed
see: https://github.com/facebook/zstd/pull/801

Files: zlibWrapper/examples/*.c
Copyright: 1995-2006, 2011 Jean-Loup Gailly
License: zlib

Files: zlibWrapper/gz*.c
Copyright: (C) 2004, 2005, 2010, 2011, 2012, 2013 Mark Adler
License: zlib

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2. Altered source versions must be plainly marked as such, and must not be
misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

11,2 Top
```

9. Use command to return the top of the file. Screenshot + Write Command The command is H

```
format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: Zstd
Source: https://github.com/facebook/zstd
Files-Excluded: build/vS2008
                build/vS2010
                build/vS_script

****XXXX****
****XXXX****
****XXXX****
****XXXX****
****XXXX****
programs/windres/*
.buckversion
.buckconfig
.circleci/*
.cirrus.yml
```

10. Move forward three sentences. Screenshot + Write Command The command is)))

```
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*
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2. Altered source versions must be plainly marked as such, and must not be
   misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.
Files: lib/dictBuilder/divsufsort.*
Copyright: 2003-2008, Yuta Mori
48,5 2%
```

11. Move forward four words. Screenshot + Write Command

The command is w 4 times or e 4 times

```
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including commercial applications, and to alter it and redistribute it
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*
```

12. Search for the word example or any word existing in the document that you are using for lab-3. Screenshot + Write Command

The command is /example

```
Files: zlibWrapper/examples/*.c
Copyright: 1995-2006, 2011 Jean-loup Gailly
License: zlib

Files: zlibWrapper/gz*.c
Copyright: (C) 2004, 2005, 2010, 2011, 2012, 2013 Mark Adler
License: zlib

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Files: lib/dictBuilder/divsufsort.*
Copyright: 2003-2008, Yuta Mori
License: Expat

Files: examples/*
Copyright: 2016-present, Yann Collet, Facebook, Inc.
License: BSD-3-clause or GPL-2

Files: debian/*
Copyright:
  2015-2016 Kevin Murray <span@kdmurray.id.au>
  2022-2025 Peter Pentchev <roan@debian.org>
License: Expat

License: Expat
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without limitation the rights to use, copy, modify, merge, publish,
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permit persons to whom the Software is furnished to do so, subject to
the following conditions:
?example
```

13. Continue to the next occurrence of the search term example. Screenshot + Write Command

The command is `/example` then `n`

```
Files: lib/dictBuilder/divsufsort.*
Copyright: 2003-2008, Yuta Mori
License: Expat

Files: examples/*
Copyright: 2016-present, Yann Collet, Facebook, Inc.
License: BSD-3-clause or GPL-2

Files: debian/*
Copyright:
/example
```

56,8

14. Delete the current word, example. Screenshot + Write Command

The command is `dw`

```
Files: /*
Copyright: 2016-present, Yann Collet, Facebook, Inc.
License: BSD-3-clause or GPL-2

Files: debian/*
Copyright:
 2015-2016 Kevin Murray <span@kdmurray.id.au>
1 change; before #31 6 seconds ago
```

15. Delete the current line. Screenshot + Write Command

The command is dd

```
Copyright: 2016-present, Yann Collet, Facebook, Inc.
License: BSD-3-clause or GPL-2

Files: debian/*
Copyright:
 2015-2016 Kevin Murray <span@kdmurray.id.au>
 2022-2025 Peter Pentchev <roan@debian.org>
```

16. Use command to jump to the end of the file. Screenshot + Write Command

The command is G

```
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ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
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```

17. Copy line 16 and paste the text at the end of the document. Screenshot + Write Command

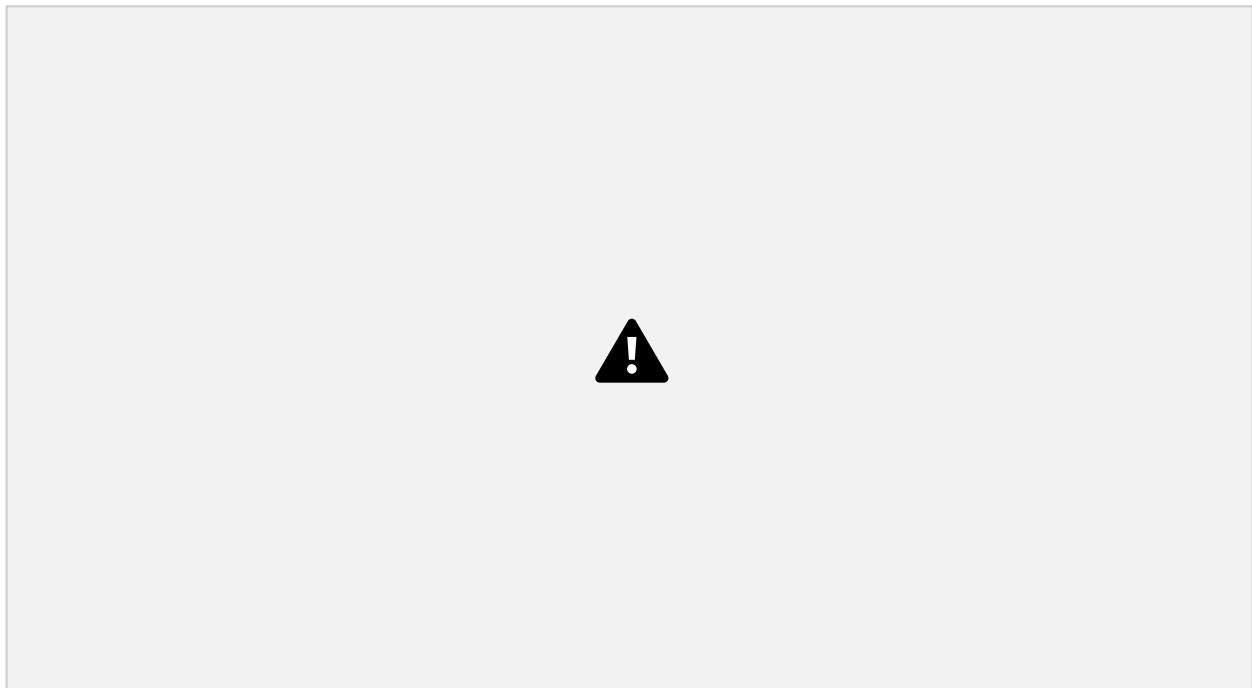
The command is yy then p

```
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ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,  
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE U  
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.  
  |cirrus.yml
```

18.

Replace all occurrences of http with HTTP throughout the document. Screenshot + Write Command

The command is :%s/http/HTTP



19. Save and quit the document. Screenshot + Write Command

The command is :wq



20. Rename the file copyright to copyright_cyse270. Screenshot + Write Command The command is `mv copyright copyright_cyse270`



Please note:

Make sure you highlight and annotate important information.