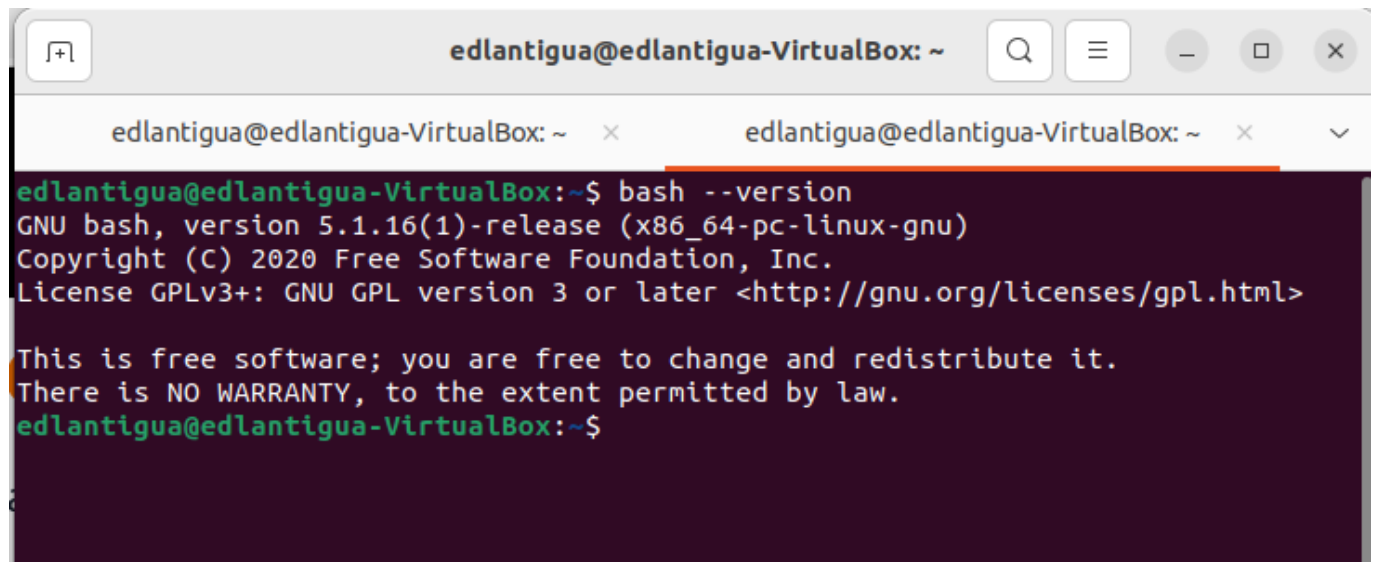


week report 3

completed work for week 3

- [Lab 3](#)
- [notes 1](#)

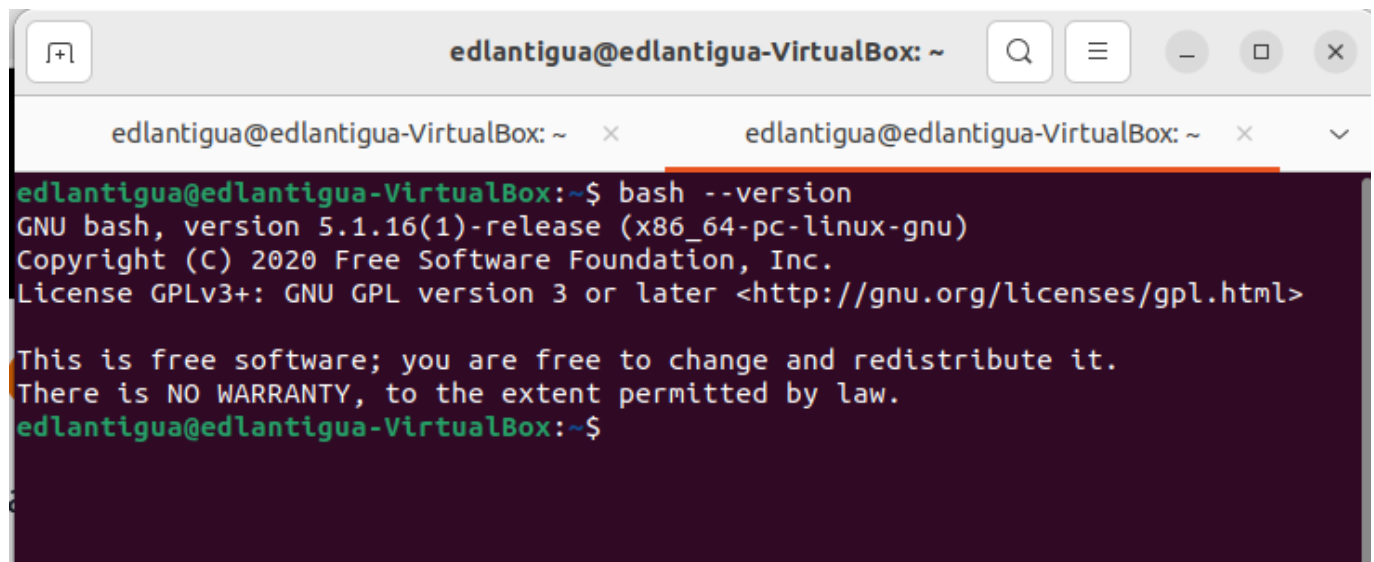
practice 2: Accessing the bash shell

A terminal window titled 'edlantigua@edlantigua-VirtualBox: ~' with search, menu, and window control icons. It shows the command 'bash --version' and its output: 'GNU bash, version 5.1.16(1)-release (x86_64-pc-linux-gnu) Copyright (C) 2020 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html> This is free software; you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law. edlantigua@edlantigua-VirtualBox:~\$'.

```
edlantigua@edlantigua-VirtualBox:~$ bash --version
GNU bash, version 5.1.16(1)-release (x86_64-pc-linux-gnu)
Copyright (C) 2020 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>

This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
edlantigua@edlantigua-VirtualBox:~$
```

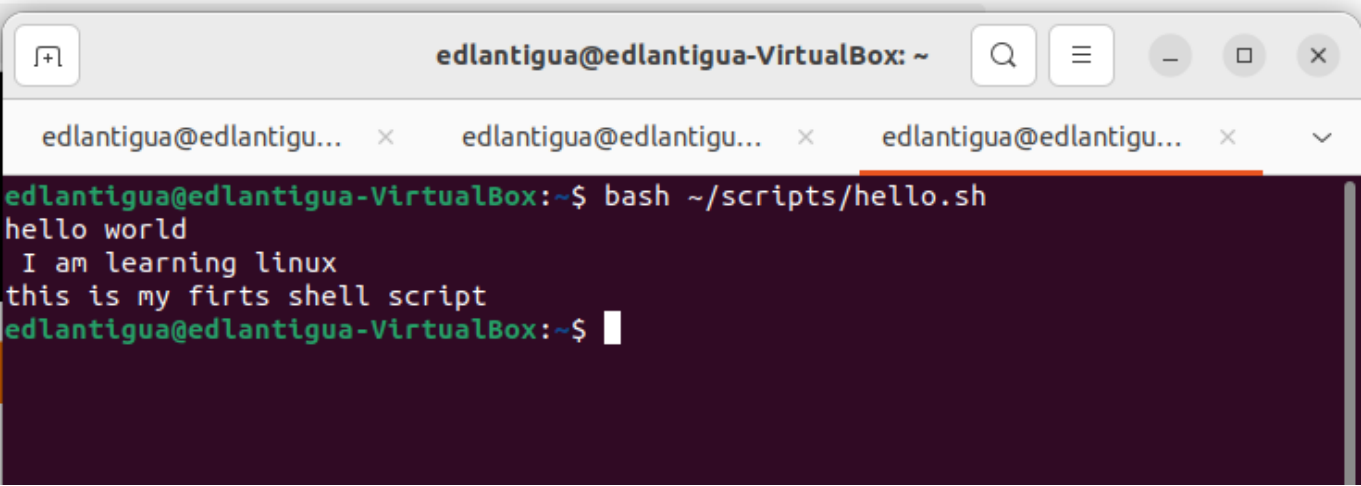
Practice 3: Using the command history

A terminal window titled 'edlantigua@edlantigua-VirtualBox: ~' with search, menu, and window control icons. It shows the command 'bash --version' and its output: 'GNU bash, version 5.1.16(1)-release (x86_64-pc-linux-gnu) Copyright (C) 2020 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html> This is free software; you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law. edlantigua@edlantigua-VirtualBox:~\$'.

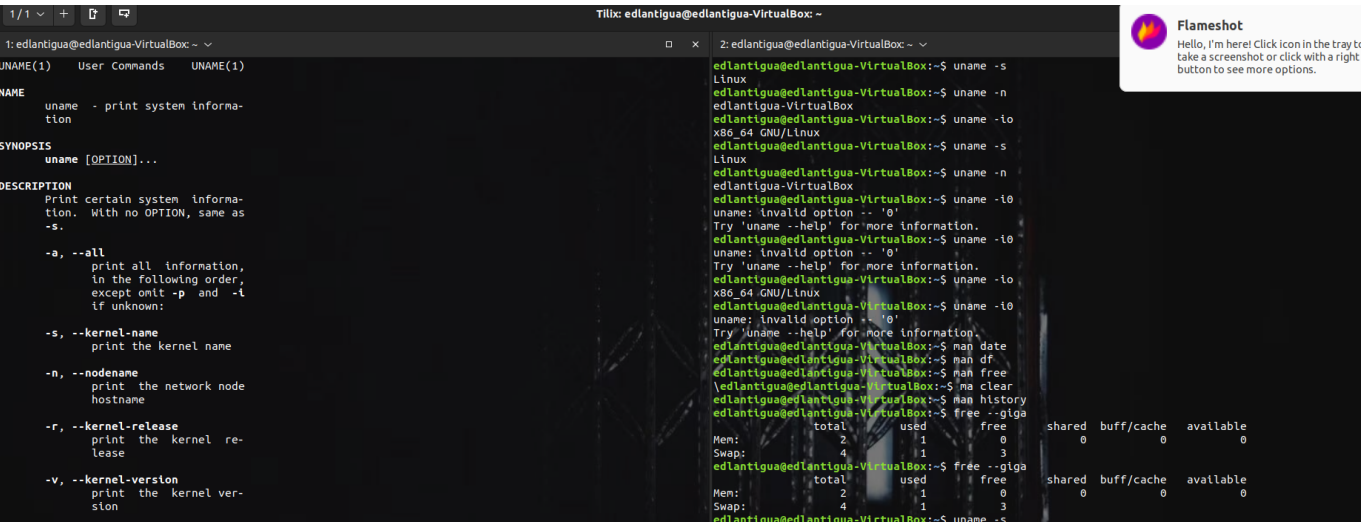
```
edlantigua@edlantigua-VirtualBox:~$ bash --version
GNU bash, version 5.1.16(1)-release (x86_64-pc-linux-gnu)
Copyright (C) 2020 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>

This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
edlantigua@edlantigua-VirtualBox:~$
```

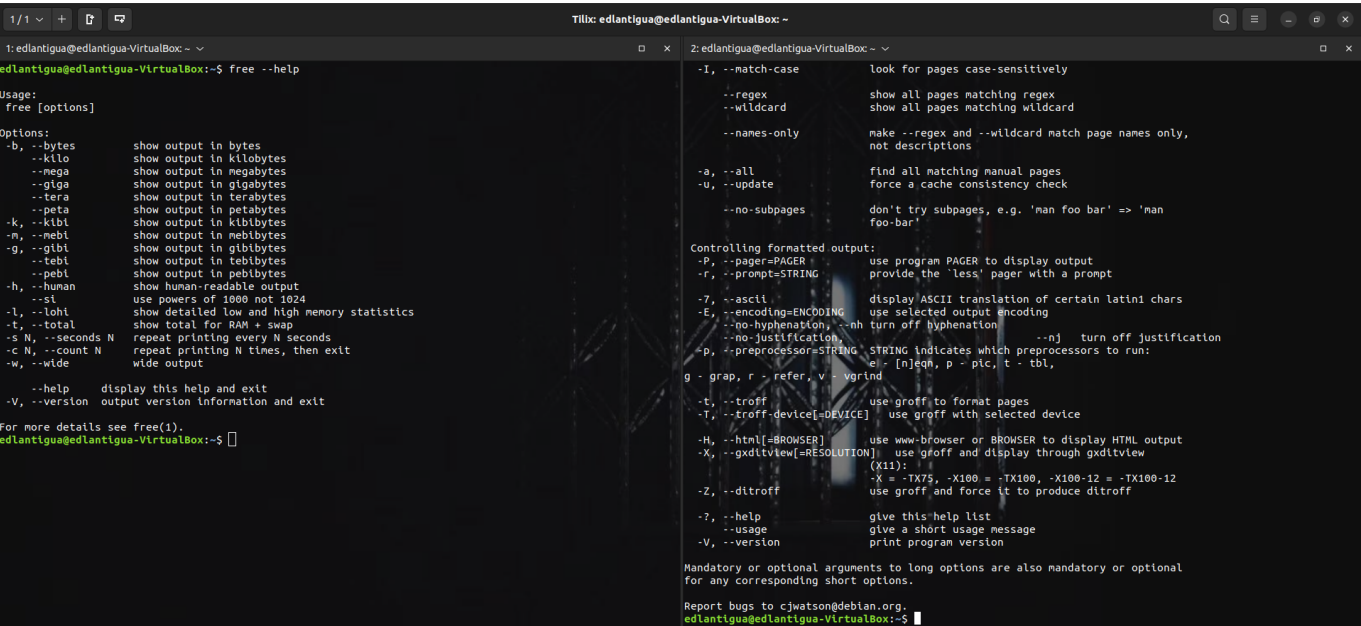
Practice 4: My firts shell script



Practice 5: Using man



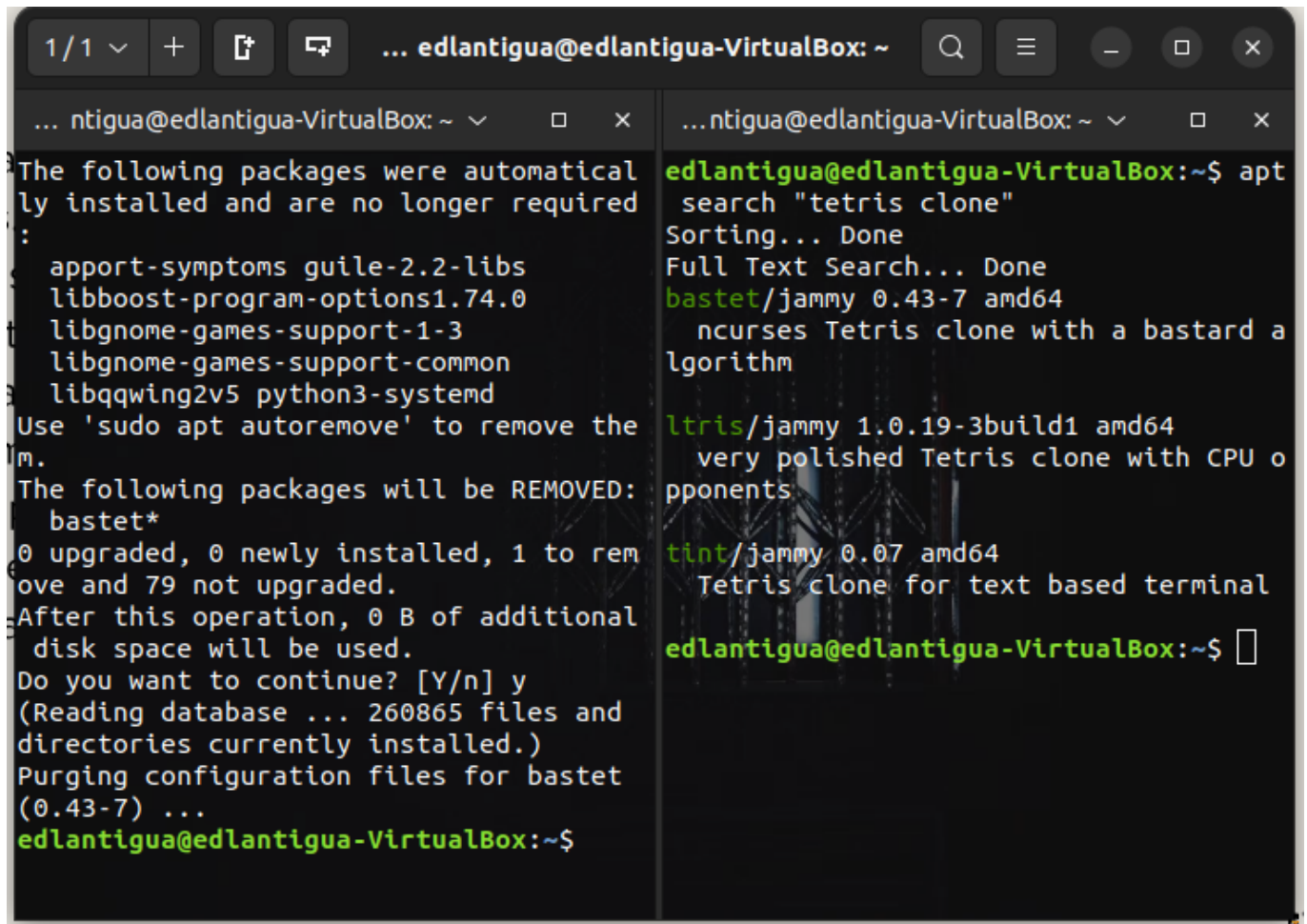
Practice 6: Using help



Practice 7: Using cheat

```
1/1  +  [ ]  [ ]  
1: edlantigua@edlantigua-VirtualBox: ~  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 79 not upgraded.  
edlantigua@edlantigua-VirtualBox:~$ cheat tar | pygmentize  
# To extract an uncompressed archive:  
tar -xvf /path/to/foo.tar  
  
# To extract a .tar in specified directory:  
tar -xvf /path/to/foo.tar -C /path/to/destination/  
  
# To create an uncompressed archive:  
tar -cvf /path/to/foo.tar /path/to/foo/  
  
# To extract a .tgz or .tar.gz archive:  
tar -xzvf /path/to/foo.tgz  
tar -xzvf /path/to/foo.tar.gz  
  
# To create a .tgz or .tar.gz archive:  
tar -czvf /path/to/foo.tgz /path/to/foo/  
tar -czvf /path/to/foo.tar.gz /path/to/foo/  
  
# To list the content of an .tgz or .tar.gz archive:  
tar -tzvf /path/to/foo.tgz  
tar -tzvf /path/to/foo.tar.gz  
  
# To extract a .tar.bz2 archive:  
tar -xjvf /path/to/foo.tar.bz2  
  
# To create a .tar.bz2 archive:  
tar -cjvf /path/to/foo.tar.bz2 /path/to/foo/  
  
# To list the content of an .tar.bz2 archive:  
tar -tjvf /path/to/foo.tar.bz2  
  
# To create a .tgz archive and exclude all jpg,gif,... from the tgz:  
tar -czvf /path/to/foo.tgz --exclude=*. {jpg,gif,png,wmv,flv,tar.gz,zip} /path/to/foo/  
  
# To use parallel (multi-threaded) implementation of compression algorithms:  
tar -z ... -> tar -Ipigz ...  
tar -j ... -> tar -Ipbzip2 ...  
tar -J ... -> tar -Ipixz ...  
  
# To append a new file to an old tar archive:  
tar -rf <archive.tar> <new-file-to-append>  
edlantigua@edlantigua-VirtualBox:~$
```

Practice 1: managing software



```
1/1 v + [ ] [ ] ... edlantigua@edlantigua-VirtualBox: ~ Q [ ] [ ] [ ] [ ]  
... ntigua@edlantigua-VirtualBox: ~ v [ ] x  
The following packages were automatical  
ly installed and are no longer required  
:  
  apport-symptoms guile-2.2-libs  
  libboost-program-options1.74.0  
  libgnome-games-support-1-3  
  libgnome-games-support-common  
  libqqwing2v5 python3-systemd  
Use 'sudo apt autoremove' to remove the  
m.  
The following packages will be REMOVED:  
  bastet*  
0 upgraded, 0 newly installed, 1 to rem  
ove and 79 not upgraded.  
After this operation, 0 B of additional  
disk space will be used.  
Do you want to continue? [Y/n] y  
(Reading database ... 260865 files and  
directories currently installed.)  
Purging configuration files for bastet  
(0.43-7) ...  
edlantigua@edlantigua-VirtualBox:~$  
edlantigua@edlantigua-VirtualBox:~$ apt  
search "tetris clone"  
Sorting... Done  
Full Text Search... Done  
bastet/jammy 0.43-7 amd64  
  ncurses Tetris clone with a bastard a  
lgorithm  
ltris/jammy 1.0.19-3build1 amd64  
  very polished Tetris clone with CPU o  
pponents  
tint/jammy 0.07 amd64  
  Tetris clone for text based terminal  
edlantigua@edlantigua-VirtualBox:~$ [ ]
```

Practice 3: Installing and removing snaps

```
1/1 v + [ ] [ ] Tilix: edlantigua@edlantigua-VirtualBox:~  
1: edlantigua@edlantigua-VirtualBox: ~  
edlantigua@edlantigua-VirtualBox:~$ snap search "tetris clone"  
Name      Version  Publisher  Notes  Summary  
tetris-in-racket  1.2-2    brunonova  -      Tetris clone developed in Racket  
vitetris    0.57     bladernr   -      Console based version of Tetris  
fairtris    3.0.0.4  chronoscz  -      A fair implementation of Classic Tetris® video game.  
pmtris      1.0      kz6fittycent -      Poor Man's Tetris Clone  
ltris-windows  1.2.3    marisag1967 -      A free Tetris clone that follows the original rules but adds some extras  
edlantigua@edlantigua-VirtualBox:~$ sudo snap install tetris-in-racket  
tetris-in-racket 1.2-2 from Bruno Nova (brunonova) installed  
edlantigua@edlantigua-VirtualBox:~$ man tetris-in-racket  
No manual entry for tetris-in-racket  
edlantigua@edlantigua-VirtualBox:~$ man tetris-in-racket  
No manual entry for tetris-in-racket  
edlantigua@edlantigua-VirtualBox:~$ tetris-in-racket  
Fontconfig warning: "/etc/fonts/conf.d/10-hinting-slight.conf", line 4: unknown element "its:rules"  
Fontconfig warning: "/etc/fonts/conf.d/10-hinting-slight.conf", line 5: unknown element "its:translateRule"  
Fontconfig error: "/etc/fonts/conf.d/10-hinting-slight.conf", line 5: invalid attribute 'translate'  
Fontconfig error: "/etc/fonts/conf.d/10-hinting-slight.conf", line 5: invalid attribute 'selector'  
Fontconfig error: "/etc/fonts/conf.d/10-hinting-slight.conf", line 6: invalid attribute 'xmlns:its'  
Fontconfig error: "/etc/fonts/conf.d/10-hinting-slight.conf", line 6: invalid attribute 'version'  
Fontconfig warning: "/etc/fonts/conf.d/10-hinting-slight.conf", line 8: unknown element "description"  
Fontconfig warning: "/etc/fonts/conf.d/10-scale-bitmap-fonts.conf", line 4: unknown element "its:rules"  
Fontconfig warning: "/etc/fonts/conf.d/10-scale-bitmap-fonts.conf", line 5: unknown element "its:translateRule"  
Fontconfig error: "/etc/fonts/conf.d/10-scale-bitmap-fonts.conf", line 5: invalid attribute 'translate'  
Fontconfig error: "/etc/fonts/conf.d/10-scale-bitmap-fonts.conf", line 5: invalid attribute 'selector'  
Fontconfig error: "/etc/fonts/conf.d/10-scale-bitmap-fonts.conf", line 6: invalid attribute 'xmlns:its'  
Fontconfig error: "/etc/fonts/conf.d/10-scale-bitmap-fonts.conf", line 6: invalid attribute 'version'  
Fontconfig warning: "/etc/fonts/conf.d/10-scale-bitmap-fonts.conf", line 8: unknown element "description"  
Fontconfig warning: "/etc/fonts/conf.d/11-lcdfilter-default.conf", line 4: unknown element "its:rules"  
Fontconfig warning: "/etc/fonts/conf.d/11-lcdfilter-default.conf", line 5: unknown element "its:translateRule"  
Fontconfig error: "/etc/fonts/conf.d/11-lcdfilter-default.conf", line 5: invalid attribute 'translate'  
Fontconfig error: "/etc/fonts/conf.d/11-lcdfilter-default.conf", line 5: invalid attribute 'selector'  
Fontconfig error: "/etc/fonts/conf.d/11-lcdfilter-default.conf", line 6: invalid attribute 'xmlns:its'  
Fontconfig error: "/etc/fonts/conf.d/11-lcdfilter-default.conf", line 6: invalid attribute 'version'  
Fontconfig warning: "/etc/fonts/conf.d/11-lcdfilter-default.conf", line 8: unknown element "description"  
Fontconfig warning: "/etc/fonts/conf.d/20-unhint-small-vera.conf", line 4: unknown element "its:rules"  
Fontconfig warning: "/etc/fonts/conf.d/20-unhint-small-vera.conf", line 5: unknown element "its:translateRule"  
Fontconfig error: "/etc/fonts/conf.d/20-unhint-small-vera.conf", line 5: invalid attribute 'translate'  
Fontconfig error: "/etc/fonts/conf.d/20-unhint-small-vera.conf", line 5: invalid attribute 'selector'  
Fontconfig error: "/etc/fonts/conf.d/20-unhint-small-vera.conf", line 6: invalid attribute 'xmlns:its'  
Fontconfig error: "/etc/fonts/conf.d/20-unhint-small-vera.conf", line 6: invalid attribute 'version'  
Fontconfig warning: "/etc/fonts/conf.d/20-unhint-small-vera.conf", line 8: unknown element "description"  
Fontconfig warning: "/etc/fonts/conf.d/30-metric-aliases.conf", line 4: unknown element "its:rules"  
Fontconfig warning: "/etc/fonts/conf.d/30-metric-aliases.conf", line 5: unknown element "its:translateRule"
```