

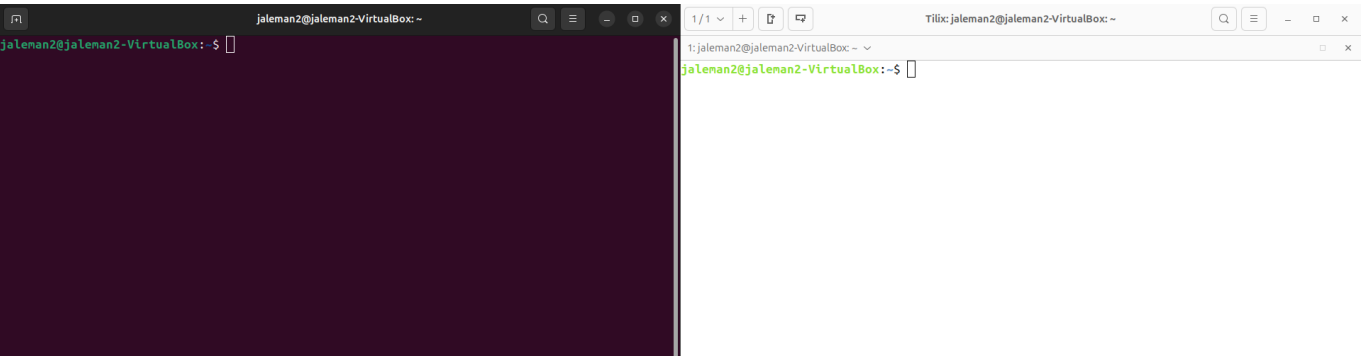
# Week Report 3

## Completed work Week 3

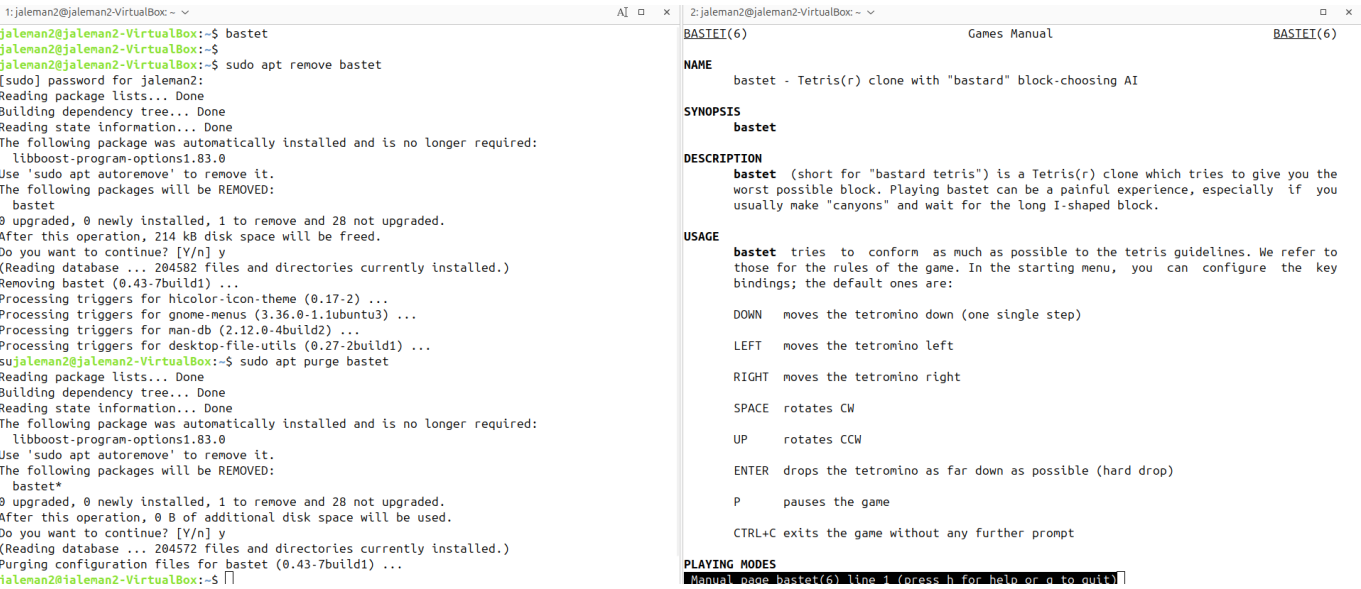
- [Lab3](#)
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## Practice

### Practice 1



### Practice 1.2



### Practice 2

```
1/1 + [ ] [ ] Tilix: jaleman2@jaleman2-VirtualBox: ~ [ ] [ ] [ ] [ ]
1:jaleman2@jaleman2-VirtualBox: ~
jaleman2@jaleman2-VirtualBox:~$ bsdh --version
Command 'bsdh' not found, did you mean:
  command 'bssh' from deb avahi-ui-utils (0.8-13ubuntu2)
  command 'bsh' from deb bsh (2.0b4-20)
Try: sudo apt install <deb name>
jaleman2@jaleman2-VirtualBox:~$ [ ]
```

### Practice 3

```
346 clear
347 date
348 echo "hello world"
349 uname -a
350 history
jaleman2@jaleman2-VirtualBox:~$ !348
echo "hello world"
hello world
jaleman2@jaleman2-VirtualBox:~$ echo "hello"
hello
jaleman2@jaleman2-VirtualBox:~$ !!world
echo "hello"world
helloworld
jaleman2@jaleman2-VirtualBox:~$ [ ]
```

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### Practice 3.2

```
1:jaleman2@jaleman2-VirtualBox: ~ ▾
jaleman2@jaleman2-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 r
ules but adds some extras
jaleman2@jaleman2-VirtualBox:~$ sudo snap install tetris-in-racket
tetris-in-racket 1.2-2 from Bruno Nova (brunonova) installed
jaleman2@jaleman2-VirtualBox:~$ sudo snap remove tetris-in-racket
tetris-in-racket removed
jaleman2@jaleman2-VirtualBox:~$ █
```

## Practice 4

```
1:jaleman2@jaleman2-VirtualBox: ~ ▾
jaleman2@jaleman2-VirtualBox:~$ bash ~/Scripts/hello.sh
Hello World
I am learning Linux
This is my first shell script
jaleman2@jaleman2-VirtualBox:~$ █
```

## Practice 5

1: jaleman2@jaleman2-VirtualBox: ~

jaleman2@jaleman2-VirtualBox:~\$ uname -s  
Linux  
jaleman2@jaleman2-VirtualBox:~\$ uname -n  
jaleman2-VirtualBox  
jaleman2@jaleman2-VirtualBox:~\$ uname -io  
x86\_64 GNU/Linux  
jaleman2@jaleman2-VirtualBox:~\$ uname -i0  
uname: invalid option -- '0'  
Try 'uname --help' for more information.  
jaleman2@jaleman2-VirtualBox:~\$ man date  
jaleman2@jaleman2-VirtualBox:~\$ man df  
jaleman2@jaleman2-VirtualBox:~\$ man free  
jaleman2@jaleman2-VirtualBox:~\$ man clear  
jaleman2@jaleman2-VirtualBox:~\$ man history  
jaleman2@jaleman2-VirtualBox:~\$ free --giga  
total used free shared buff/cache available  
Mem: 4 2 0 0 1 1  
Swap: 4 0 3  
jaleman2@jaleman2-VirtualBox:~\$

2: jaleman2@jaleman2-VirtualBox: ~

UNAME(1) User Commands UNAME(1)  
  
NAME  
uname - print system information  
  
SYNOPSIS  
uname [OPTION]...  
  
DESCRIPTION  
Print certain system information. With no OPTION, same as -s.  
  
-a, --all  
print all information, in the following order, except omit -p and -i if unknown:  
  
-s, --kernel-name  
print the kernel name  
  
-n, --nodename  
print the network node hostname  
  
-r, --kernel-release  
print the kernel release  
  
-v, --kernel-version  
print the kernel version  
  
-m, --machine  
print the machine hardware name  
  
-p, --processor  
print the processor type (non-portable)  
  
-i, --hardware-platform  
print the hardware platform (non-portable)  
Manual page uname(1) line 1 (press h for help or q to quit)

Practice 6

1: jaleman2@jaleman2-VirtualBox: ~

jaleman2@jaleman2-VirtualBox:~\$ whatis ls  
ls (1) - list directory contents  
jaleman2@jaleman2-VirtualBox:~\$ whatis pwd  
pwd (1) - print name of current/working directory  
jaleman2@jaleman2-VirtualBox:~\$ whatis apt  
apt (8) - command-line interface  
jaleman2@jaleman2-VirtualBox:~\$ whatis sudo  
sudo (8) - execute a command as another user  
jaleman2@jaleman2-VirtualBox:~\$

Practice 7

1: jaleman2@jaleman2-VirtualBox: ~

passing --break-system-packages.  
hint: See PEP 668 for the detailed specification.  
jaleman2@jaleman2-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/

2: jaleman2@jaleman2-VirtualBox: ~

jaleman2@jaleman2-VirtualBox:~\$ cheat tar  
# 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 ...