

KH4062CEM: Skills Development 1 – Ahmed Nader

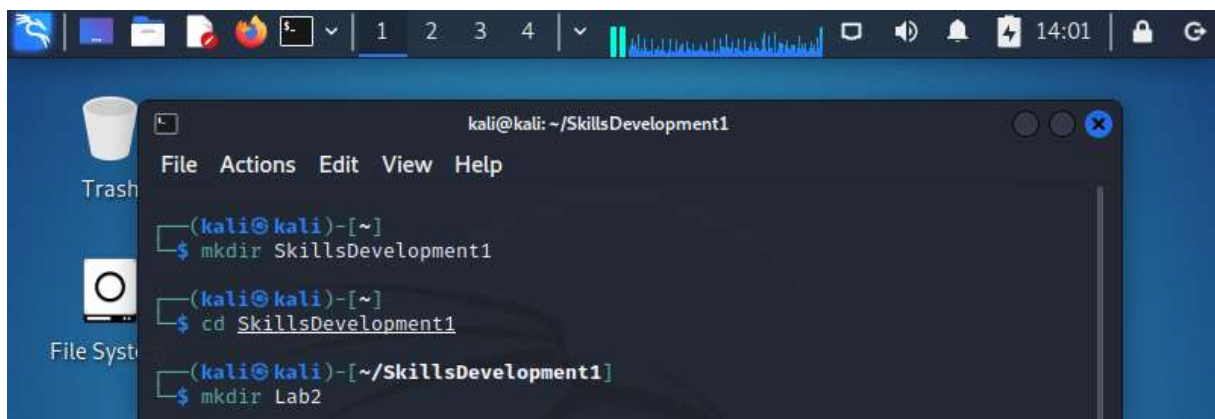
Command Line Cheat Code

Ctrl + shift + T	<u>open terminal</u>
Ctrl + Tab	<u>Navigate between terminal tabs</u>
Ctrl + shift + W	<u>Close terminal</u>
Ctrl + L / clear	<u>Clear terminal</u>
Cd	<u>Change directory</u>
Cd ..	<u>Move back one directory</u>
Cd ~	<u>Move to home directory</u>
echo	<u>Output a specific message</u>
ls / ls -l	<u>List files in directory</u>
ls -la / la -a	<u>List files in directory including the hidden ones</u>
ls -F	<u>List files and their types in directory</u>
ls -lt	<u>List files sorted by last modified time in directory</u>
ls -lh	<u>List files in readable format in directory</u>
ls -lR	<u>Shows all subdirectories</u>
touch	<u>Create a file</u>
rm -i	<u>Remove a file</u>
mkdir	<u>Create directory/folders</u>
rmdir	<u>Remove directory</u>
pwd	<u>Print current directory</u>
cat	<u>Print file contents</u>
head	<u>Prints the first 10 lines of a file</u>
tail	<u>Print the last 10 lines of a file</u>
diff	<u>Checks the difference between 2 files</u>
cp -p	<u>Copy a file</u>
mv	<u>Move/Rename a file</u>
op	<u>Open a file</u>

nano	<u>Edit a file</u>
locate	<u>Returns file path</u>
man	<u>Help show available commands</u>
sudo	<u>Change to admin to run elevated commands</u>
apt	<u>Advanced Packaging Tool</u>
Apt-get install	<u>Install software packages</u>
apt-get update	<u>Update list of available packages</u>
apt-get upgrade	<u>Install the newest version of available packages</u>
apt-cache pkgnames	<u>List all available packages</u>
hostname	<u>Display hostname of the system</u>
whoami	<u>Display username of the users logged in at the terminal</u>
who	<u>Display list of all the users currently logged in</u>
passwd	<u>Change current user's password</u>
uptime	<u>Display the time for which the system has been up</u>

Part 1 – Getting Started with Kali Linux:

2)



3)

```
(kali㉿kali)-[~/SkillsDevelopment1]
$ cd Lab2

(kali㉿kali)-[~/SkillsDevelopment1/Lab2]
$
```

4)

```
(kali㉿kali)-[~/SkillsDevelopment1/Lab2]
$ touch myfile.py
```

5)

```
(kali㉿kali)-[~/SkillsDevelopment1/Lab2]
$ ls
myfile.py
```

6)

```
(kali㉿kali)-[~/SkillsDevelopment1/Lab2]
$ mv myfile.py HelloWorld.py

(kali㉿kali)-[~/SkillsDevelopment1/Lab2]
$ ls
HelloWorld.py
```

7)

```
(kali㉿kali)-[~/SkillsDevelopment1/Lab2]
$ nano lab.py
```



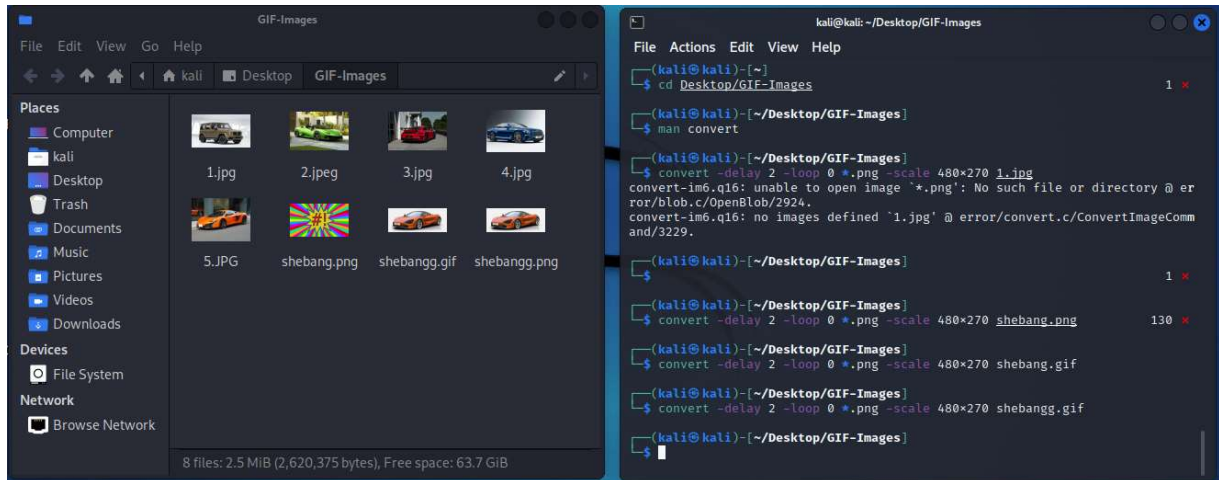
8)



Part 2 – What is the Command?:

- 1) What is the command used to copy files? **cp**
- 2) What is the command used to delete files and directories? **rm/rmdir**
- 3) What is the command used to rename files? **mv**
- 4) What is the command used to display the contents of a file? **cat**
- 5) What is the command used to clear the terminal if it gets filled up with too many commands? **Clear**

Part 3 – Generate a GIF using the command line:



Part 4 – Installing Fortune:

```
kali@kali: ~/Desktop/GIF-Images
File Actions Edit View Help

(kali@kali)-[~/Desktop/GIF-Images]
$ sudo apt-get install fortune
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'fortune-mod' instead of 'fortune'
The following additional packages will be installed:
  fortunes-min librecode0
Suggested packages:
  fortunes bsdmainutils
The following NEW packages will be installed:
  fortune-mod fortunes-min librecode0
0 upgraded, 3 newly installed, 0 to remove and 375 not upgraded.
Need to get 648 kB of archives.
After this operation, 2,154 kB of additional disk space will be used.
Do you want to continue? [Y/n] yes
Get:1 http://kali.download/kali kali-rolling/main amd64 librecode0 amd64 3.6-24 [531 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 fortune-mod amd64 1:1.99.1-7.1 [49.3 kB]
Get:3 http://kali.download/kali kali-rolling/main amd64 fortunes-min all 1:1.99.1-7.1 [67.9 kB]
Fetched 648 kB in 6s (107 kB/s)
Selecting previously unselected package librecode0:amd64.
(Reading database ... 268500 files and directories currently installed.)
```

```
(kali@kali)-[~/Desktop/GIF-Images]
$ fortune
Among the lucky, you are the chosen one.
```

Part 5 – Installing GIMP:


```
kali@kali: ~/Desktop/GIF-Images
File Actions Edit View Help
missing?

(kali@kali)-[~/Desktop/GIF-Images]
$ sudo apt-get update
Get:1 http://kali.download/kali kali-rolling InRelease [30.6 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [18.0 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [40.7 MB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [115 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [15 5 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [212 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [9 90 kB]
Fetched 60.1 MB in 24s (2,467 kB/s)
Reading package lists... Done

(kali@kali)-[~/Desktop/GIF-Images]
$ sudo apt -y install gimp
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
gimp-data libamd2 libbabl-0.1-0 libcb-bin libcb-dev-bin libcb-l10n libcb6
libcb6-dev libcb6-i386 libcamd2 libccolamd2 libcholmod3 libcolamd2
libgegl-0.4-0 libgegl-common libgexiv2-2 libgimp2.0 libmetis5 libmng1
libmypaint-1.5-1 libmypaint-common libraw20 libsuitesparseconfig5
```

