

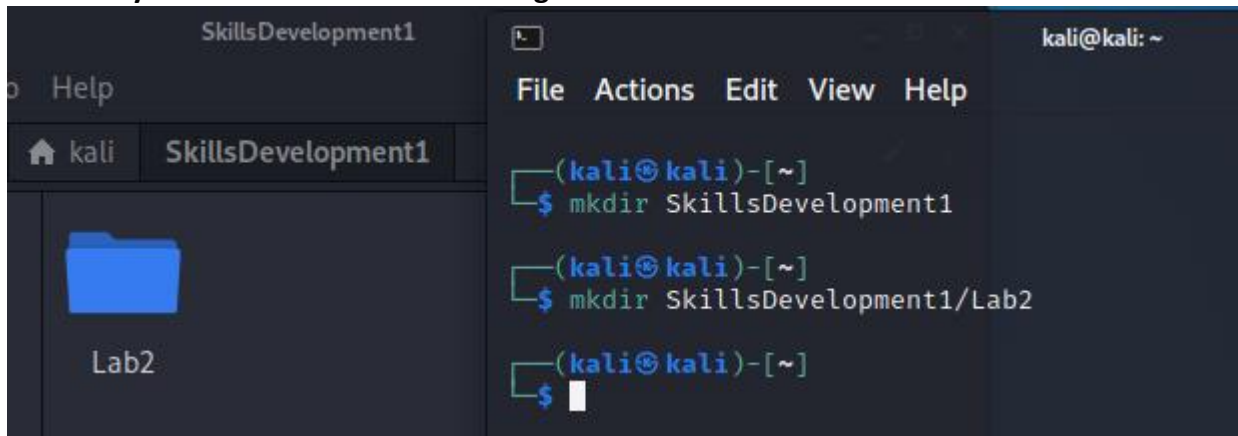
## Command line cheat sheet



Linux\_Cheat\_Sheet.  
pdf

### Lab Part 1 – Getting Started with Kali Linux:

Create a directory for this course with the following name: SkillsDevelopment1, then a sub-directory for lab two with the following name: Lab2



The screenshot shows a file manager window titled 'SkillsDevelopment1' with a sidebar containing a folder icon labeled 'Lab2'. To the right, a terminal window shows the following commands and output:

```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ mkdir SkillsDevelopment1  
(kali@kali)-[~]  
$ mkdir SkillsDevelopment1/Lab2  
(kali@kali)-[~]  
$
```

3. Now, change directory into the newly created directory.

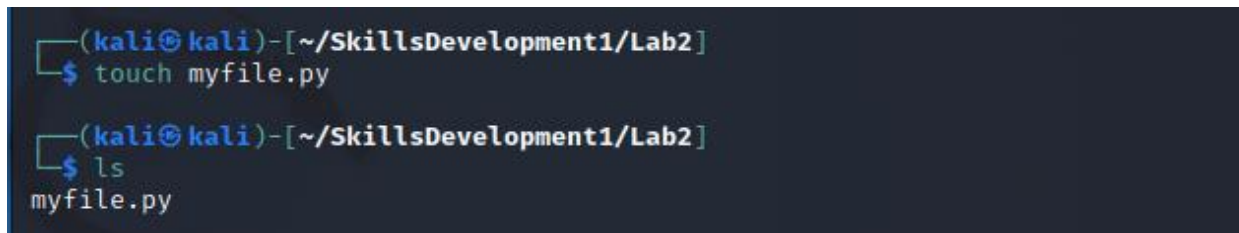


The screenshot shows a terminal window with the following commands and output:

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

4. Create a python file with the following name myfile.

5. To make sure the python file is successfully created, list all the files in the current directory  
Take a screenshot of the command used to accomplish the task & output



The screenshot shows a terminal window with the following commands and output:

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

## 6. Now, rename the python file to HelloWorld.py

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

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

Using nano editor; create an empty python file, Implement a simple python program that given a number x prints a pyramid with same number of levels.

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

```
kali@kali: ~/SkillsDevelopment1/Lab2
File Actions Edit View Help
GNU nano 5.4 HelloWorld.py
n = int(input("Please Enter a Number: "))
for i in range(1,n+1):
    print("*"*i)
```

## 8. Run your python code using the command line

```
(kali㉿kali)-[~/SkillsDevelopment1/Lab2]
$ python HelloWorld.py
Please Enter a Number: 5
*
* *
* * *
* * * *
* * * * *
```

## Lab Part 2 - What is the Command?

### 1. What is the command used to copy files ?

```
cp {filepath} {destination path}
```

### 2. What is the command used to delete files and directories?

```
rm {filepath}
```

### 3. What is the command used to rename files?

```
mv {filename} {new_filename}
```

### 4. What is the command used to display the contents of a file?

```
cat {filepath}
```

### 5. What is the command used to clear the terminal if it gets filled up with too many commands?

```
clear
```

## Lab Part 3 – Generate a Gif from still images using the command line:

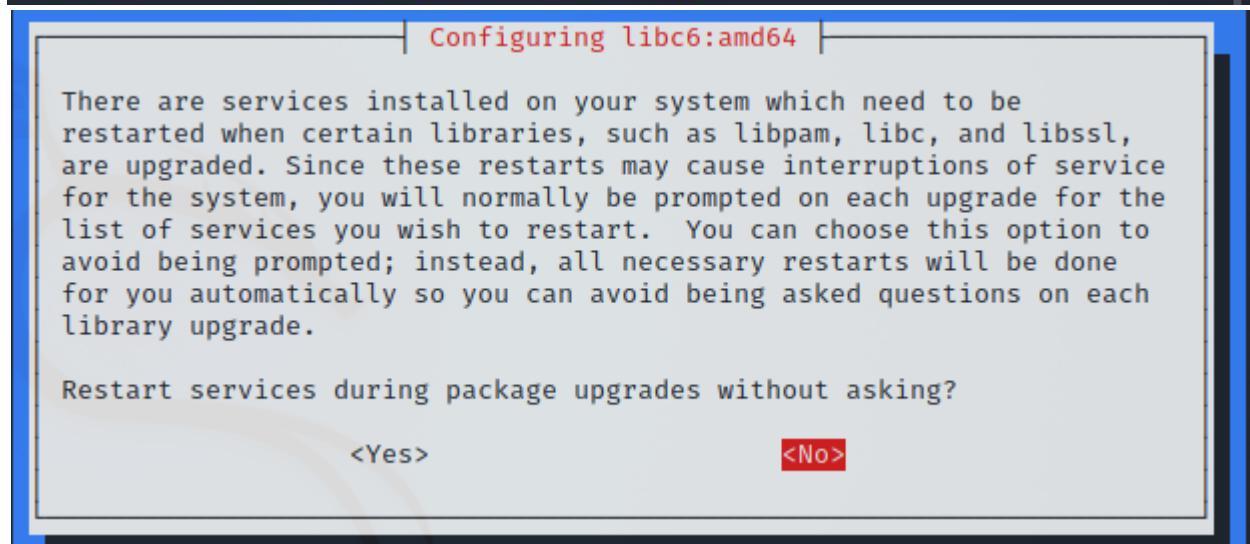
```
(kali㉿kali)-[~/Desktop/Artist]
$ sudo apt install graphicsmagick-imagemagick-compat

Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  ghostscript graphicsmagick gsfonts libc-bin libc-dev-bin libc-l10n libc6
```

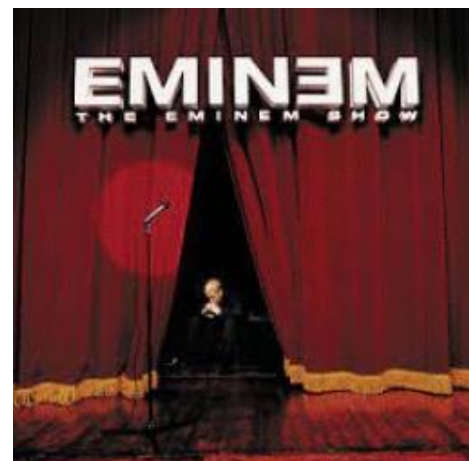
### Installing 'graphicsmagick-imagemagick-compat' package

```
(kali㉿kali)-[~/Desktop/Artist]
$ convert -delay 40 -loop 0 *.jpg -scale 255x255 fav.gif

(kali㉿kali)-[~/Desktop/Artist]
$ ls
Eminem.jpg      KSI.jpg          'The Weeknd.jpg'
fav.gif         'Post malone.jpg'  xxxtent.jpg
```



### Creating GIF



## Lab Part 4 – Install fortune:

```
(kali㉿kali)-[~/Desktop/Artist]
$ 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'
```

### Generating a random fortune

```
(kali㉿kali)-[~/Desktop/Artist]
$ fortune
Q:    What do you get when you cross a mobster with an international standa
rd?
A:    You get someone who makes you an offer that you can't understand!
```

## Lab Part 5 – Install GIMP:

```
(kali㉿kali)-[~/Desktop/Artist]
$ 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
```

### Running GIMP

