

# Installing compilers using apt command

Open the terminal app and type the following apt command/apt-get command:

```
$ sudo apt update  
$ sudo apt upgrade  
$ sudo apt install build-essential
```

OR

```
$ sudo apt-get update  
$ sudo apt-get upgrade  
$ sudo apt-get install build-essential
```

Verify installation

Type the following commands:

```
$ whereis gcc  
$ gcc --version  
$ make -v
```

Python

```
$ sudo apt-get install python2.7
```

# Console Apps

Tmux:

Sudo apt install tmux

CTRL B + % To split the current screen vertically

CTRL B + " To split the current screen horizontally

CTRL B + arrow keys Moves cursor to another screen

Midnight Commander:

Sudo apt install mc

# Games

Space Invaders:

```
sudo apt install  
ninvaders
```

Bastet:

```
sudo apt install bastet
```

Pacman4console:

```
sudo apt install pacman4console
```

BSDGames:

```
sudo apt install bsdgames
```

# ANSI Testing

Colortest:

```
sudo apt install colortest
```

Start test:

```
colortest-256
```

```
colortest-16
```

# Python color text to terminal methods

Using built-in modules:

Colorama module: shorthand ANSI escape sequence

sudo apt install colorama

# Python program to print # red  
text with green background

```
from colorama import Fore, Back, Style
print(Fore.RED + 'some red text')
print(Back.GREEN + 'and with a green
background')
print(Style.DIM + 'and in dim
text') print(Style.RESET_ALL)
print('back to normal now')
```

# Python program to print #  
green text with red background

```
from colorama import init
from termcolor import
colored
```

```
init()print(colored('Hello,World!','green','on_'))
```

termcolor module:

sudo apt install termcolor

# Openssh Setup

Uninstalled ssh-server, reinstalled  
it: `sudo apt purge openssh-server`  
`sudo apt install openssh-server`

Configure ssh-server: `sudo`  
`nano /etc/ssh/sshd_config`

disallow root login by setting:  
`PermitRootLogin no`

Then add a line beneath it that says:  
`AllowUsers yourusername`

make sure is set to yes if you want to login using a password:  
`PasswordAuthentication yes`

Disable privilege separation by adding/modifying :  
`UsePrivilegeSeparation no`

made sure it's started with:  
`sudo service ssh --full-restart`

Connect to your Linux subsystem from Windows using a ssh client like PuTTY