Installing compilers using apt command

Open the terminal app and type the following apt/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
```

Related Websites

nixCraft
Ubuntu
C Programs

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