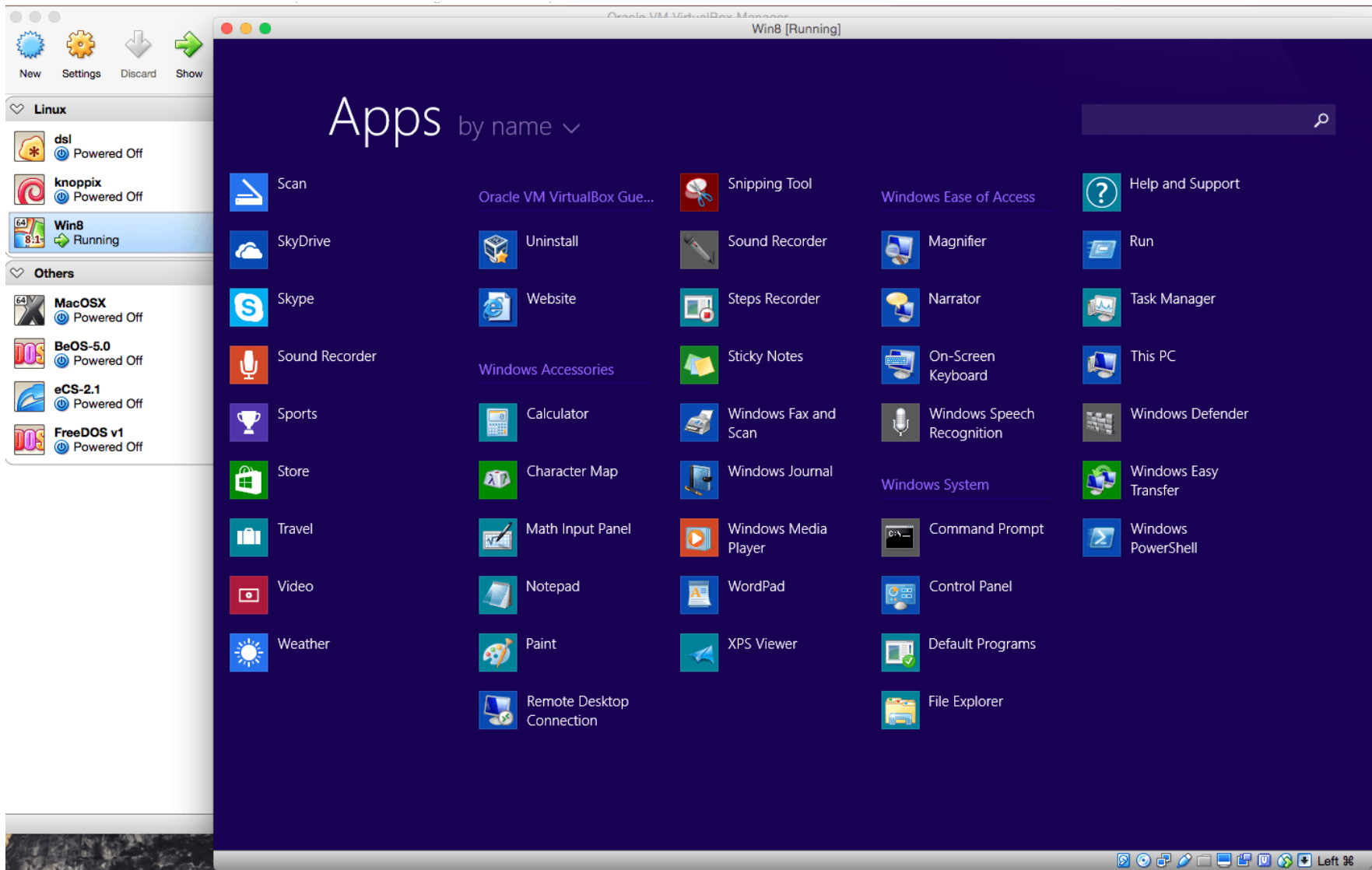


Homework

- Install Ubuntu linux on your laptop
 - 방법 1: 듀얼 부팅
 - 윈도우 파티션의 크기를 줄인후, 남는 공간에 리눅스 설치
 - 방법 2: 가상 머신
 - 윈도우나 맥 안에 가상머신 프로그램 (virtualbox 등)을 설치 후, 가상 머신 만들어서 그 안에 리눅스 설치



Why is virtualization useful?

- Running multiple operating systems simultaneously
- Easier software installations
 - with the use of another VirtualBox feature called "snapshots", one can save a particular state of a virtual machine and revert back to that state, if necessary. This way, one can freely experiment with a computing environment.
- Testing and disaster recovery

Homework

방법 1, 2: Download
Ubutu 14.04 desktop 64bit
and install it on your laptop!
(use 32bit instead,
if your windows is 32bit)

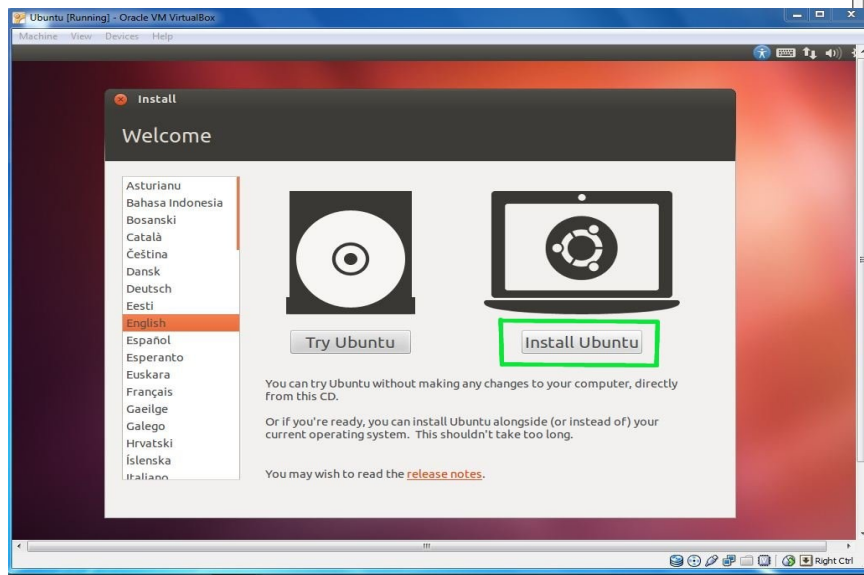
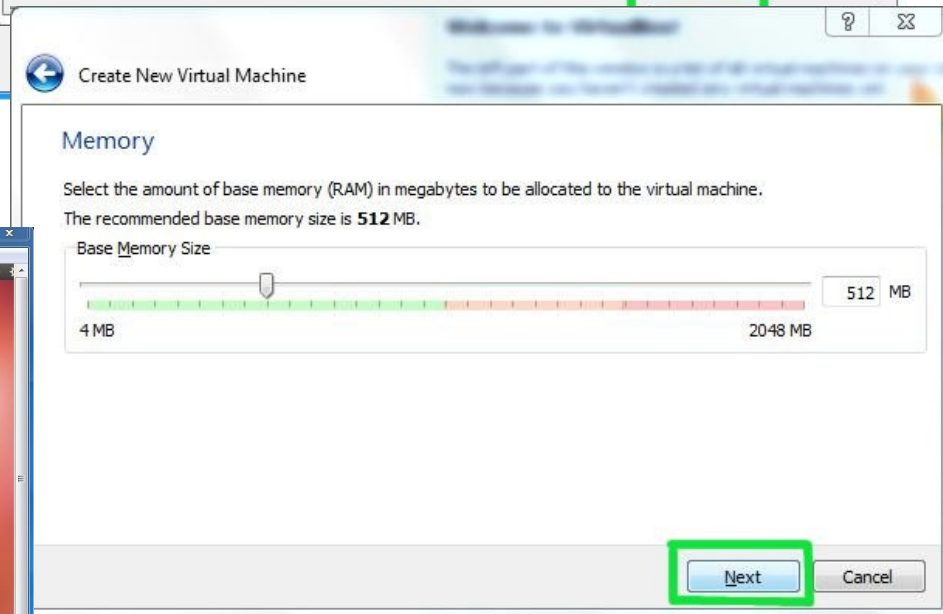
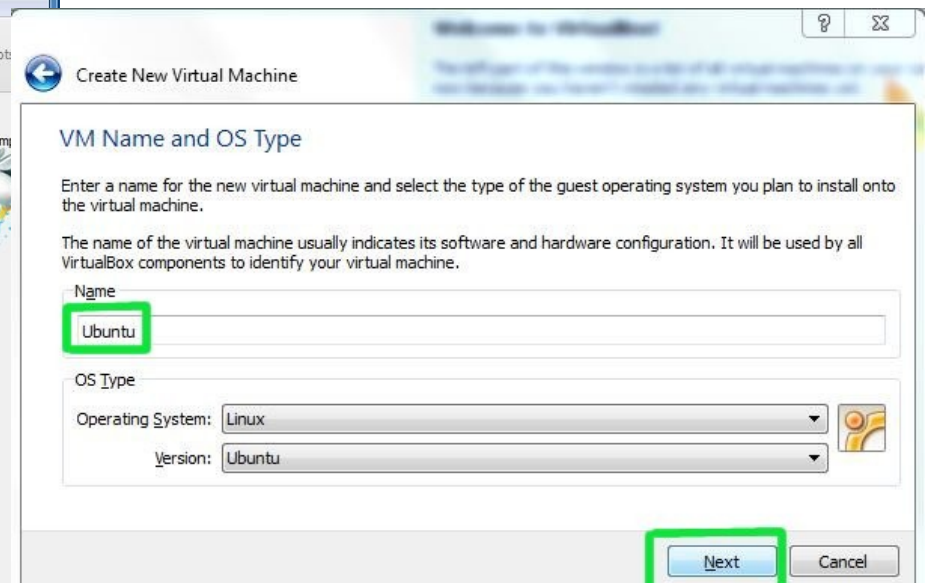
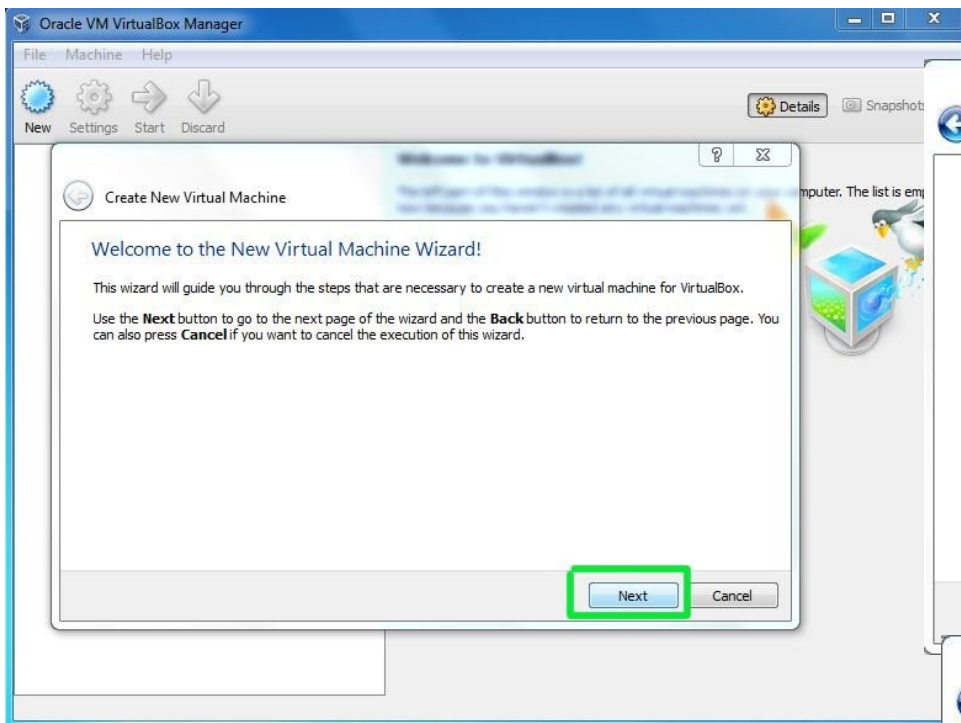
Linux installation

방법 1,2:

- Install gcc, cmake, header files, vim in a unix-like operating system
- In case of Ubuntu, you can type in a terminal
 - `sudo apt-get install gcc cmake build-essentials vim`
- 더 자세한 내용은 다음장 참고

VirtualBox 에 Ubuntu 최신 LTS 버전 설치

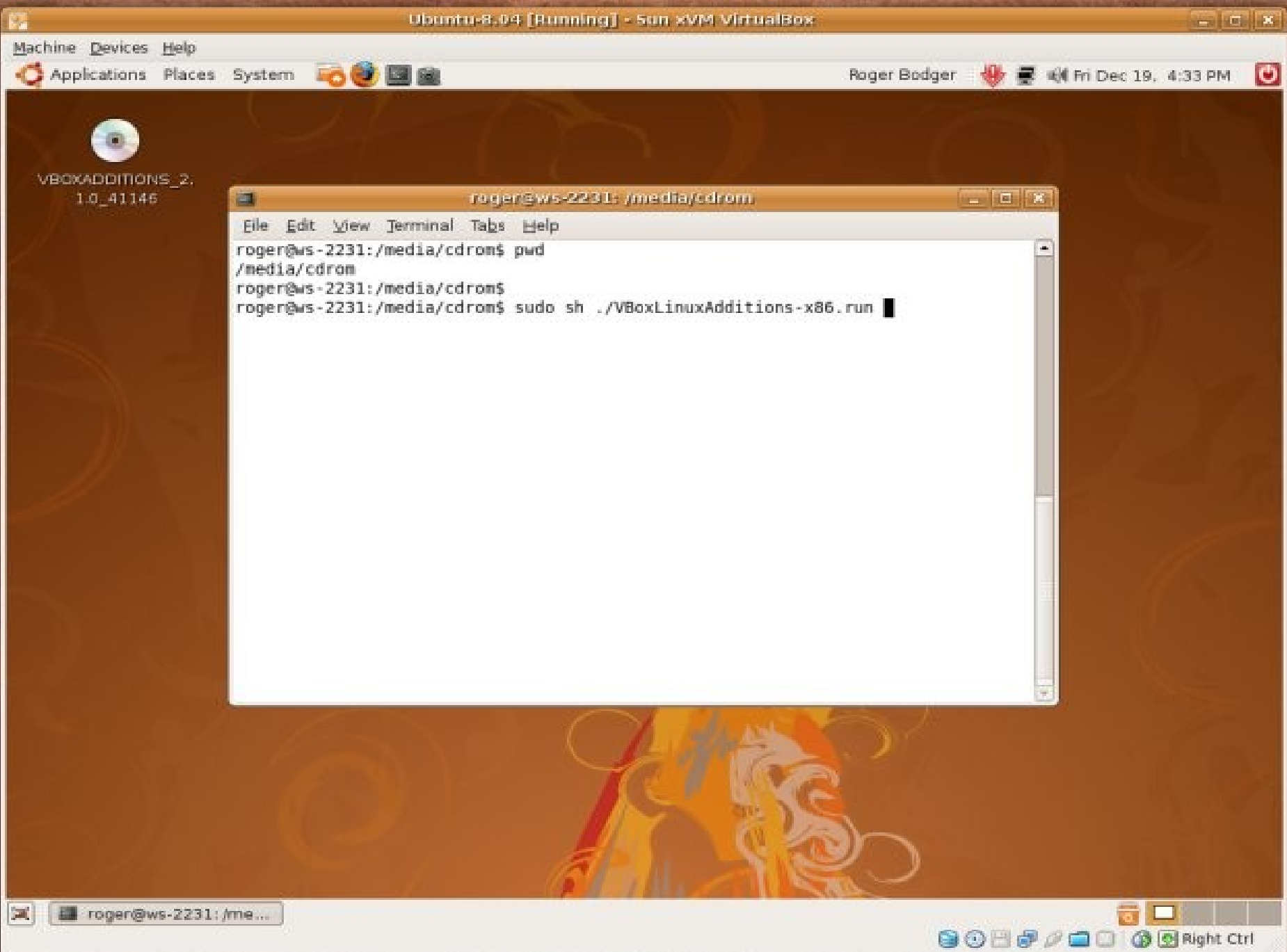
- Ubuntu Desktop 최신 버전 받기 (64bit)
<http://www.ubuntu.com/getubuntu/download>
- Step 1: VirtualBox 에서 우분투 (Ubuntu) 용 가상머신 만들기
 - <http://www.psychocats.net/ubuntu/virtualbox>
 - <http://www.deltalounge.net/wpress/2012/06/virtualbox-install-ubuntu-12-04/>
- Step 2: 기본설정에서는 가상 머신의 해상도가 데스크탑 해상도와 다름
 - 해결 방법
 - Download the guest edition for your virtualbox version!
 - e.g. visit <http://download.virtualbox.org/virtualbox/4.1.20/>
 - download VBoxGuestAdditions_4.1.20.iso
 - 게스트 에디션 설치
 - <http://www.dedoimedo.com/computers/virtualbox-guest-addons.html>
 - (see “Install Guest Additions on Linux guest” section)



programming Step 1

Step 2





roger@ws-2231: /media/cdrom

File Edit View Terminal Tabs Help

roger@ws-2231:/media/cdrom\$ pwd

/media/cdrom

roger@ws-2231:/media/cdrom\$

roger@ws-2231:/media/cdrom\$ sudo sh ./VBoxLinuxAdditions-x86.run

[sudo] password for roger:

Verifying archive integrity... All good.

Uncompressing VirtualBox 2.1.0 Guest Additions for Linux installation.....

.....

.....

.....

VirtualBox 2.1.0 Guest Additions installation

Building the VirtualBox Guest Additions kernel module...

Building the shared folder support kernel module...

Installing the VirtualBox Guest Additions...

Successfully installed the VirtualBox Guest Additions.

You must restart your guest system in order to complete the installation.

roger@ws-2231:/media/cdrom\$