Install Ubuntu/Linux

Target

1. Install Ubuntu on VirtualBox
2. Write a ‘hello world’ program with c

Tools

VirtualBox

VirtualBox 7.0

VirtualBox

1. VirtualBox 7.0.10 platform packages
2. VirtualBox 7.0.10 Oracle VM VirtualBox Extension Pack

Ubuntu

Ubuntu 22.04 LTS

[Ubuntu] (https://ubuntu.com/download/desktop)

[Ubuntu] (https://ubuntu.com/download/desktop/thank-you?version=22.04.3&architecture=amd64)

How to do

0. Download and verify the ISO: ubuntu-22.04.3-desktop-amd64.iso

```
$ sha256sum.exe ubuntu-22.04.3-desktop-amd64.iso
c396e956a9f52c418397867d1ea5c0cf1a99a49dcf648b086d2fb762330cc88d *ubuntu-22.04.3-desktop-amd64.iso
$ md5sum.exe ubuntu-22.04.3-desktop-amd64.iso
8c651682056205967d530697c98d98c3 *ubuntu-22.04.3-desktop-amd64.iso
$
```

1. Create a virtual machine

Virtual Disk: >=60GB

2. Install Ubuntu

UserName: Your Name + Your Student ID

3. Post-Install Ubuntu

3.1 Update the Ubuntu online

```
sudo apt-get update
sudo apt-get upgrade
```

3.2 Insert Guest Addtional CD Image to install enhanced drivers for Guest Ubuntu

```
sudo usermod -a -G vboxsf YourUserName
Sudo reboot
```

4. Using Ubuntu

常见命令

```
who
pwd
ls
cd ..
date
cat
```

5. Using Ubuntu and Write the first c program on Ubuntu

5.1 Install GCC

```
sudo apt-get install build-essential
```

5.2 Write "Hello world" Program with c : hello.c

Please to say: Hello World, Hello Your Instructor, Hello Yourself

5.3 Compile the program

```
gcc -o hello  hello.c
```

5.4 Execute the program

```
./hello
```

5.5 write your report