

Question 1. Ubuntu 22.04 installation process.

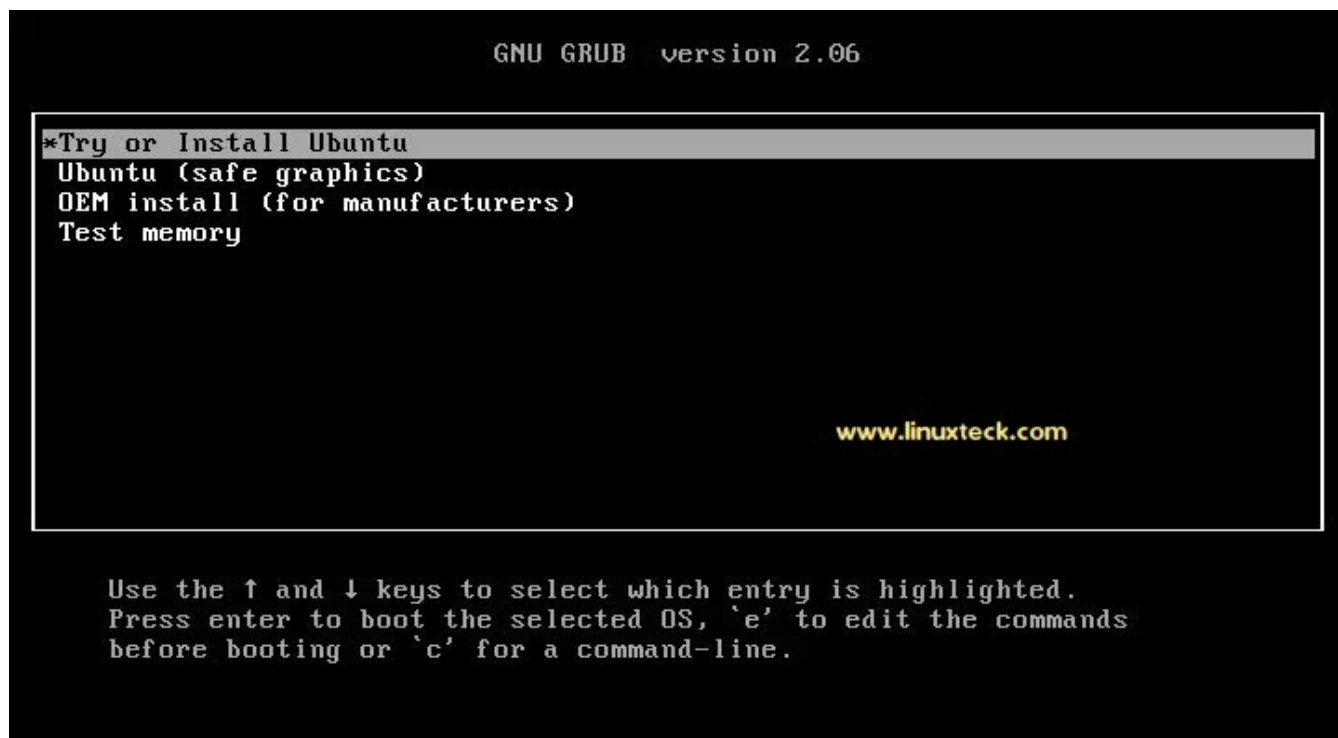
I made sure my machine meet the minimum requirements for ubuntu 22.04 that is:

HDD minimum : 30 GB
RAM minimum : 2 GB (Recommended 4 GB)
System Type : 64-bit x86 System
Installation kit : Bootable DVD/USB/.iso

i)I then downloaded ubuntu iso file from their original website that is

<https://Ubuntu.com/download/desktop>

ii)Started installation staight away in virtual box, after which I was led to GRUB menu to choose installation process from which I chose 'Try or install Ubuntu' as shown:



iii)It led me to a welcome menu to choose between 'try ubuntu' or install ubuntu. I chose to install ubuntu permanently since I was sure my machine satisfies the requirements.,

iv) From there I chose normal installion from the next menu to allow me to use all the required features.

V)After successful installation I created system user and configured host name settings,then restarted my machine to start using ubuntu 22.04.

Question 2. Installation and set up of visual studio code IDE

I chose to install vs code using snap package using the linux command:

`sudo snap install --classic code`

`code --version` - to ensure vs code is installed and is of the correct version.

I then opened vs code from command line by typing the word 'code' then enter. I was now ready to write my first python code.

Question 3. Git installation and configuration

i) First installed git

```
sudo apt install git
```

ii) I moved to next step which is setting up with email and password as shown below:

```
git config --global user.name "Sharon"
```

```
git config --global user.email "opudosharon6@gmail.com"
```

iii) git config -list → to confirm if username and email are set successfully.

output: user.name=Sharon

[user.email=opudosharon6@gmail.com](mailto:opudosharon6@gmail.com)

iv) I then created my github account from <https://github.com> and set my username and password, I then created my first repository in my github account.

I then created a folder with a simple test project and done my first commit and push using the following commands in command line:

```
git init
```

```
git add .
```

```
git commit -m "My first commit"
```

```
git remote add origin Opudo-Shaz/myproject.git
```

```
git push -u origin master
```

With these process I was able to have my first project in github.

Question 4. Python installation

```
sudo apt update
```

```
sudo apt install python3
```

```
python3 --version
```

```
sudo apt install python3-pip
```

```
pip3 install requests
```

Question 5. Installation of pip and other packages

I just ran the following commands and they were all installed

```
sudo apt install python3-pip
```

```
pip3 install requests
```

Question 6. Installation of mysql server

I just ran the following commands and they were all installed:

```
sudo apt install mysql-server
```

```
sudo mysql_secure_installation
```

```
sudo systemctl start mysql
```

```
sudo systemctl enable mysql
```

sudo mysql -u root -p → used this command to log into mysql server after installation with the username and password I specified earlier.