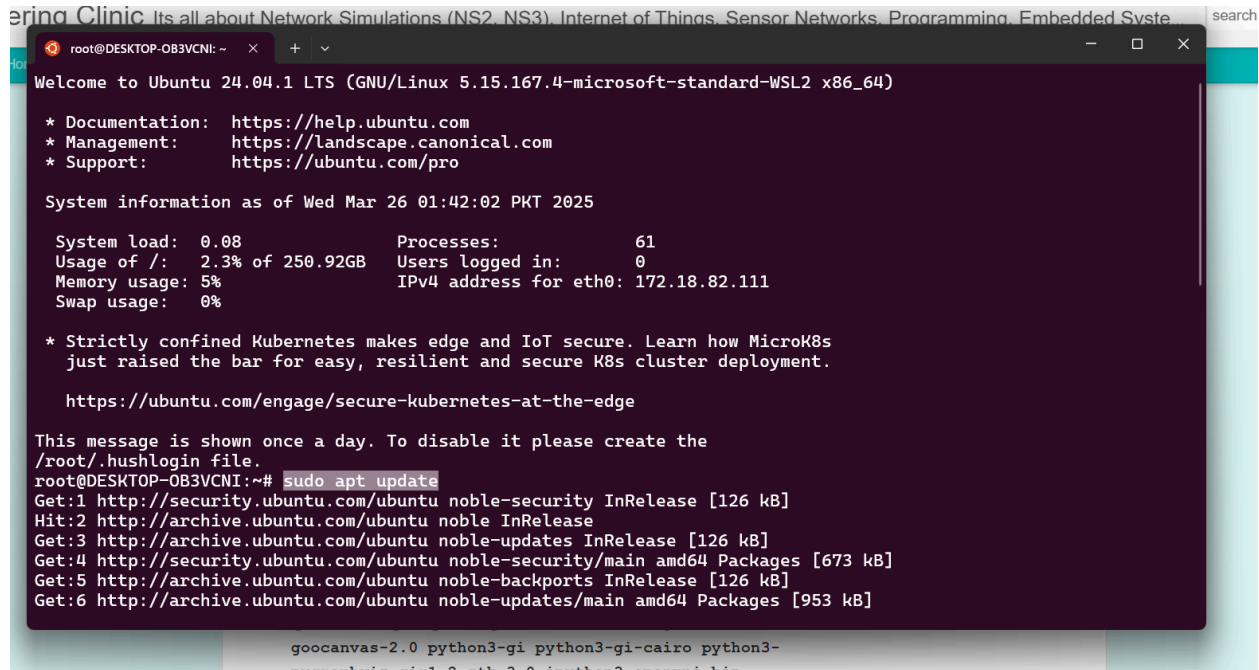# Hasan Yahya - [BSE-6C] - [22L-7971]
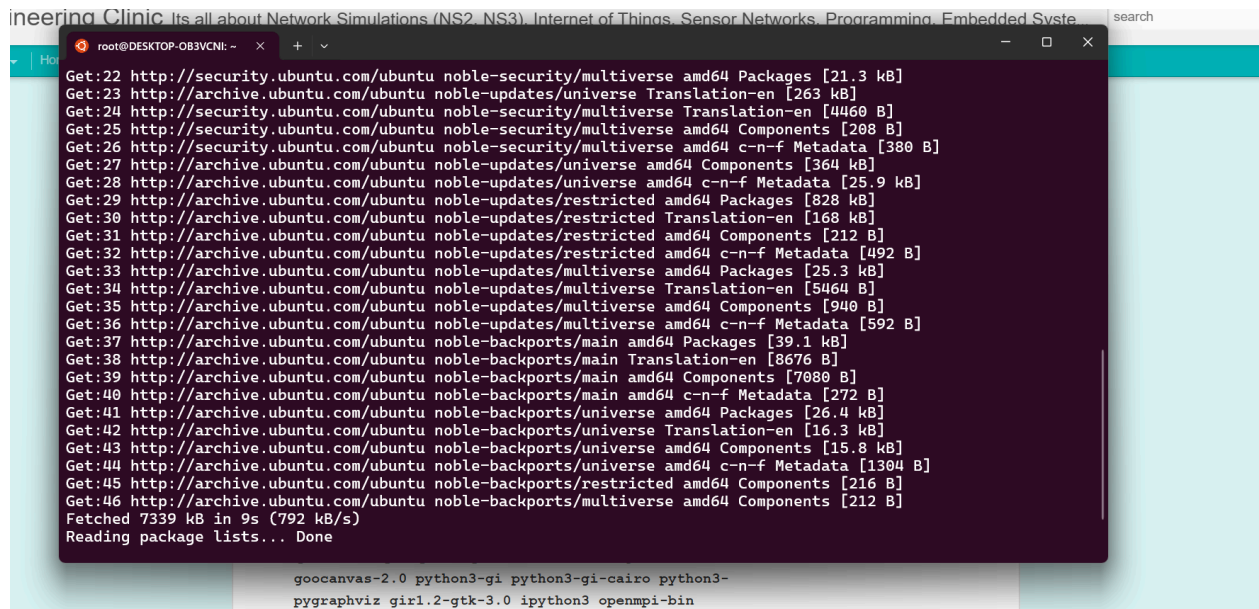
This PDF file has the step by step screenshots of NS3 being installed on my machine using Ubuntu distro in WSL.

- Using sudo apt update:

- All packages updated

- Installing prerequisites:

- Options Pop-up:

- Unzipped the file using **tar jxvf ns-allinone-3.36.1.tar.bz2** command:
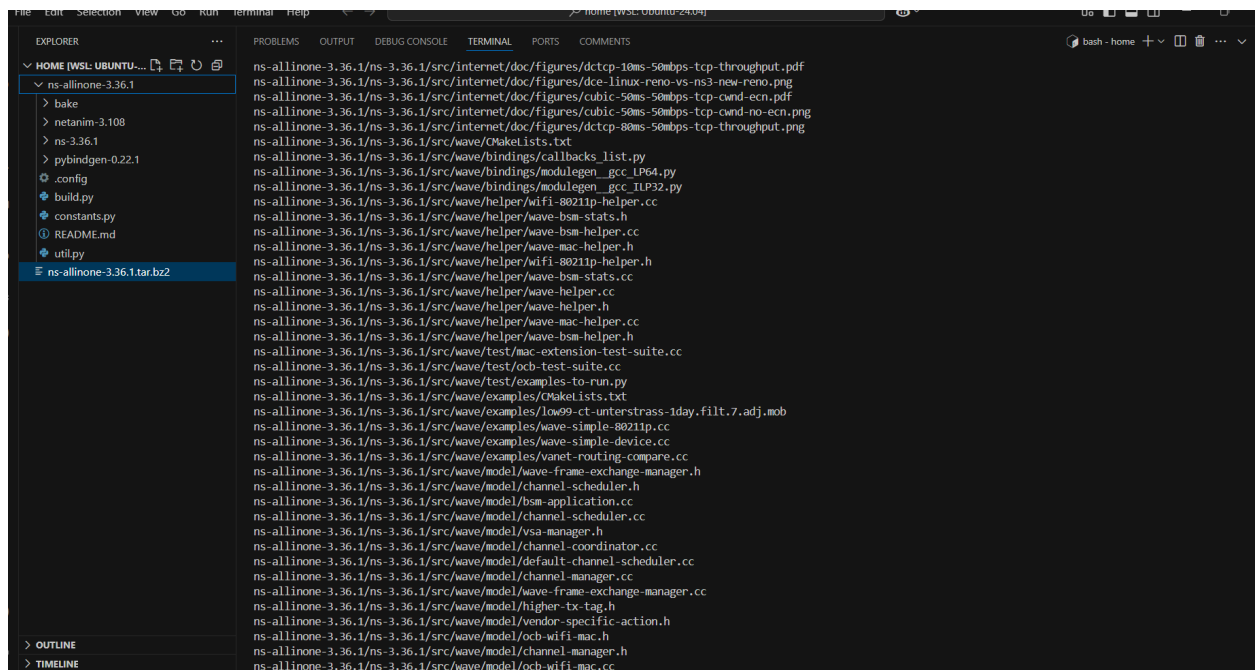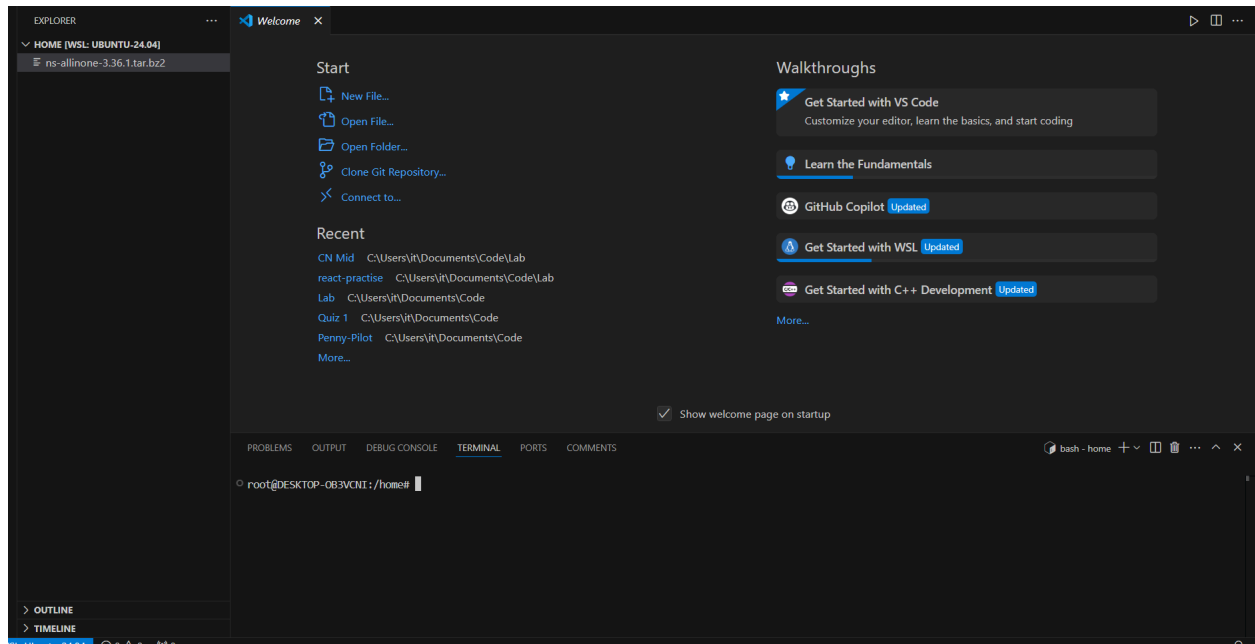
● Building the ns3 files using: **./build.py --enable-examples --enable-tests**

```
Get:357 http://archive.ubuntu.com/ubuntu noble/main amd64 python3-roman all 3.3-3 [9632 B]
Get:358 http://archive.ubuntu.com/ubuntu noble/main amd64 python3-docutils all 0.20.1+dfsg-3 [393 kB]
Get:359 http://archive.ubuntu.com/ubuntu noble/main amd64 python3-imagesize all 1.4.1-1 [6844 B]
Get:360 http://archive.ubuntu.com/ubuntu noble/main amd64 python3-snowballstemmer all 2.2.0-4build1 [59.8 kB]
Get:361 http://archive.ubuntu.com/ubuntu noble/main amd64 sphinx-common all 7.2.6-6 [739 kB]
Get:362 http://archive.ubuntu.com/ubuntu noble/main amd64 python3-alabaster all 0.7.12-1 [17.8 kB]
Get:363 http://archive.ubuntu.com/ubuntu noble/main amd64 python3-sphinx all 7.2.6-6 [557 kB]
Get:364 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 qemu-utils amd64 1:8.2.2+ds-0ubuntu1.6 [2220
 kB]
Get:365 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 qemu-block-extra amd64 1:8.2.2+ds-0ubuntu1.6
 [111 kB]
Get:366 http://archive.ubuntu.com/ubuntu noble/main amd64 tcl8.6 amd64 8.6.14+dfsg-1build1 [14.7 kB]
Get:367 http://archive.ubuntu.com/ubuntu noble/main amd64 tcl amd64 8.6.14build1 [4124 B]
Get:368 http://archive.ubuntu.com/ubuntu noble/universe amd64 tex-gyre all 20180621-6 [6396 kB]
Get:369 http://archive.ubuntu.com/ubuntu noble/universe amd64 texlive-fonts-recommended all 2023.20240207-1 [4
973 kB]
Get:370 http://archive.ubuntu.com/ubuntu noble/universe amd64 texlive-latex-recommended all 2023.20240207-1 [8
826 kB]
Get:371 http://archive.ubuntu.com/ubuntu noble/universe amd64 texlive all 2023.20240207-1 [14.0 kB]
Get:372 http://archive.ubuntu.com/ubuntu noble/universe amd64 texlive-luatex all 2023.20240207-1 [25.8 MB]
Get:373 http://archive.ubuntu.com/ubuntu noble/universe amd64 texlive-plain-generic all 2023.20240207-1 [29.0
MB]
Get:374 http://archive.ubuntu.com/ubuntu noble/universe amd64 texlive-extra-utils all 2023.20240207-1 [63.0 MB
]
Get:375 http://archive.ubuntu.com/ubuntu noble/universe amd64 texlive-font-utils all 2023.20240207-1 [7035 kB]
Get:376 http://archive.ubuntu.com/ubuntu noble/universe amd64 libfontbox-java all 1:1.8.16-5 [208 kB]
91% [376 libfontbox-java 90.7 kB/208 kB 44%]                                      55.0 kB/s 14min 10s
```

● Final image of running examples for hello-simulator and first and second files

Note: I had to change ns3 versions because the link given in the zip was outdated and new updated one was needed, which i got from the official website using this:
▶ ns3 installation on windows 11 | WSL