



## **Department of Computer Science**

**Subject:**

OPERATING SYSTEM

**Submitted by:**

ABDUL REHMAN SUDAIS

**Reg number:**

23-NTU-CS-1123

**Lab :**

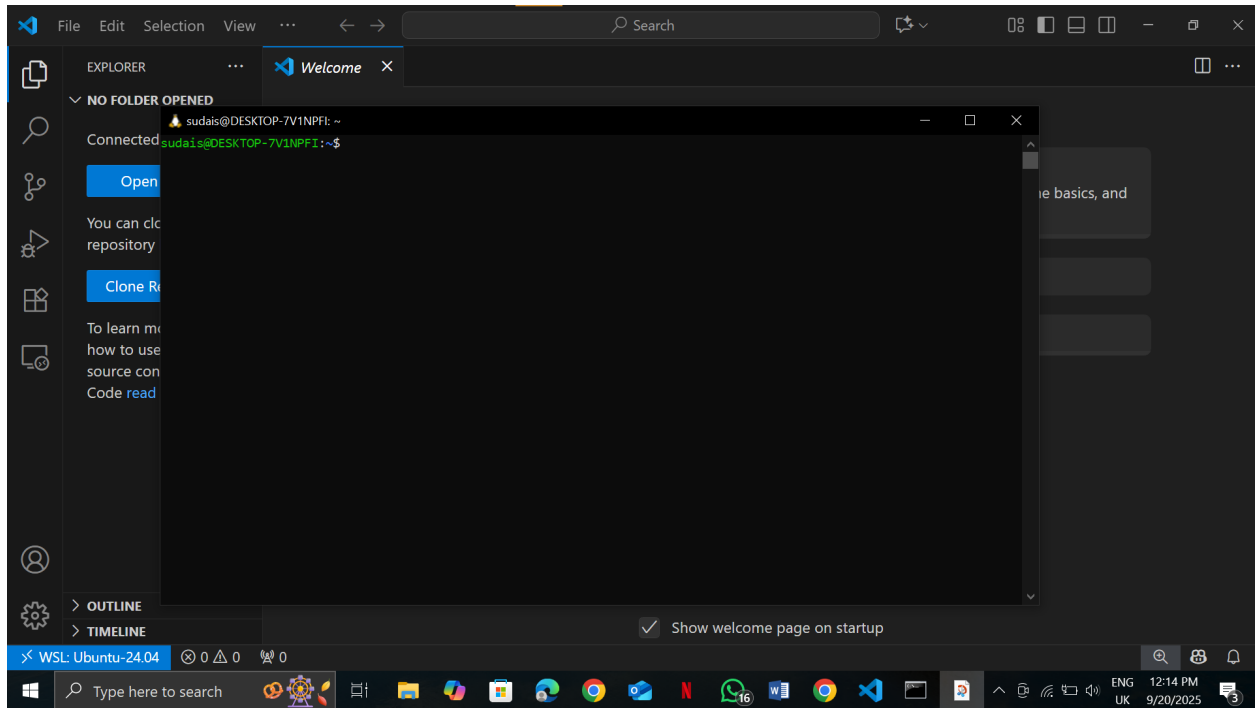
1

**Semester:**

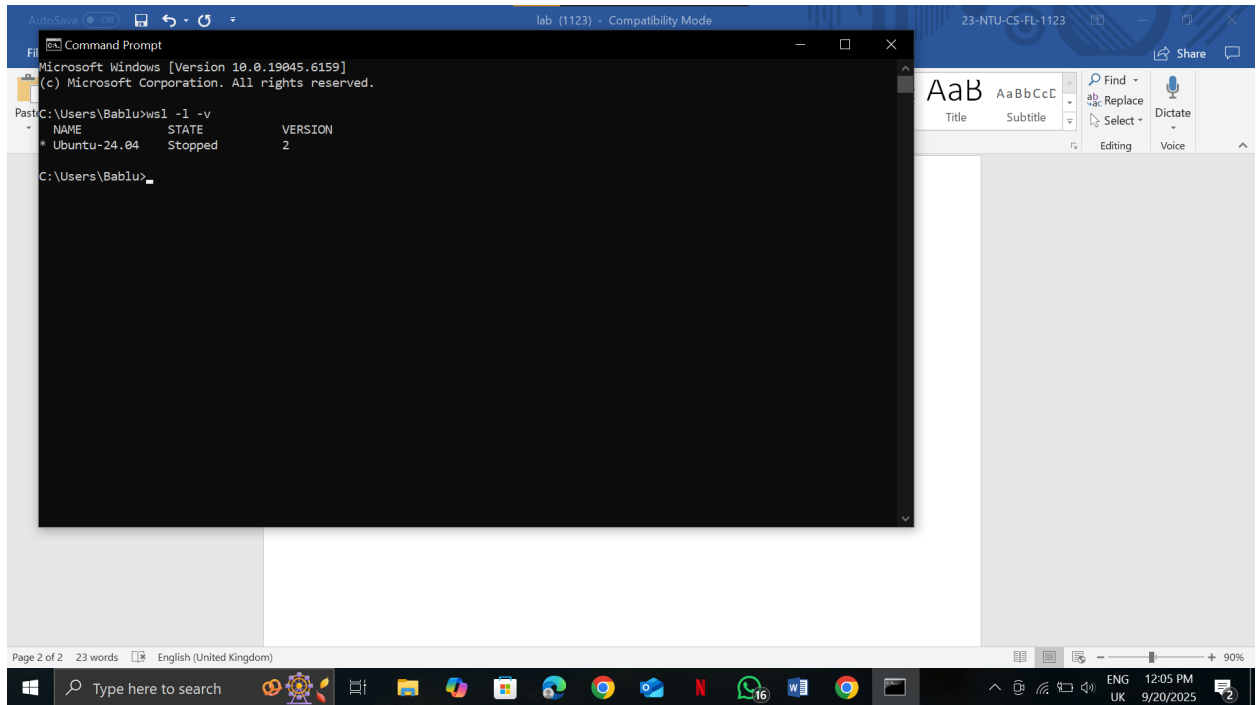
5<sup>TH</sup>

- WSL:

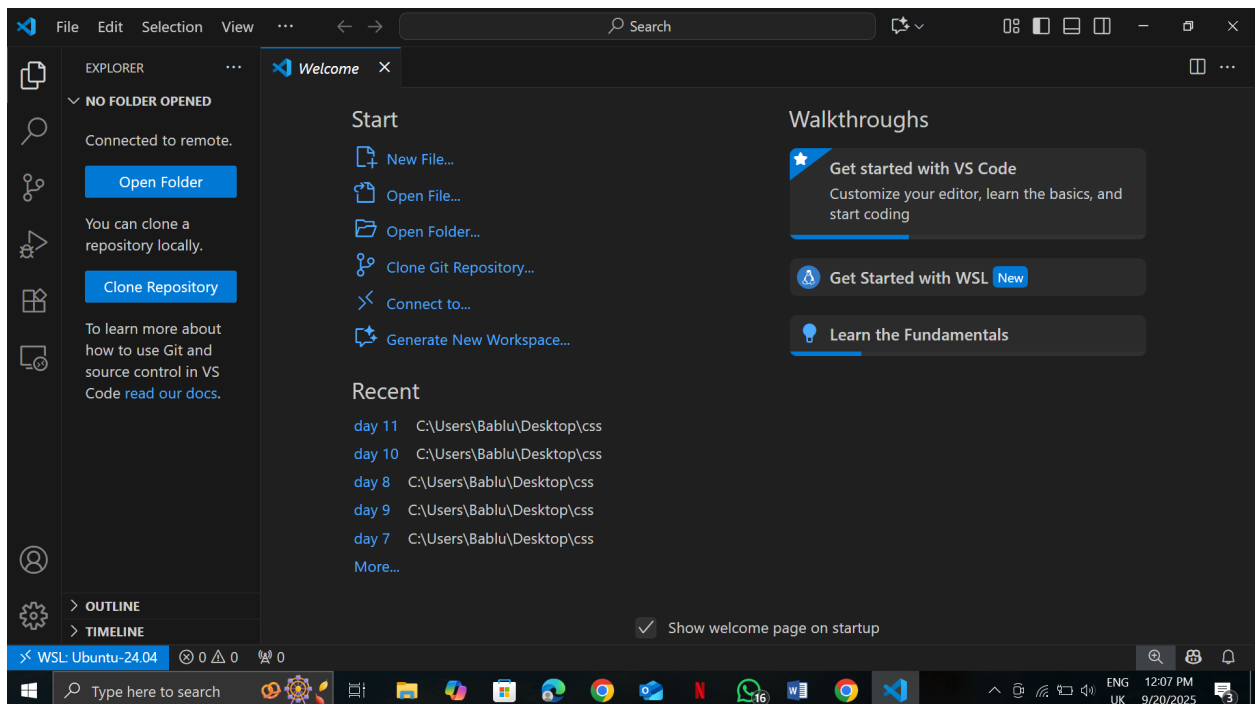
- Install wsl in pc and generate a user name and password.



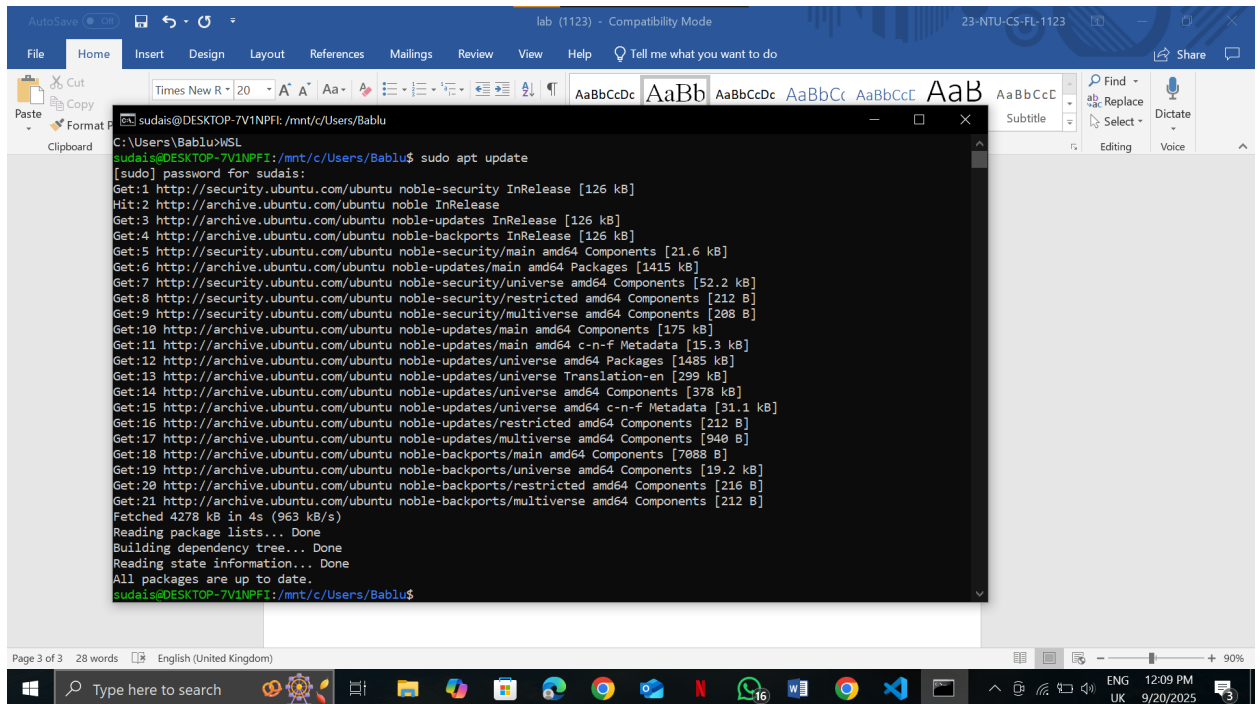
- WSL VERSION:
- Check the version of wsl.
- To check the version, **wsl -l -v** command is used.



## • WSL CONNECTION WITH VS-CODE:

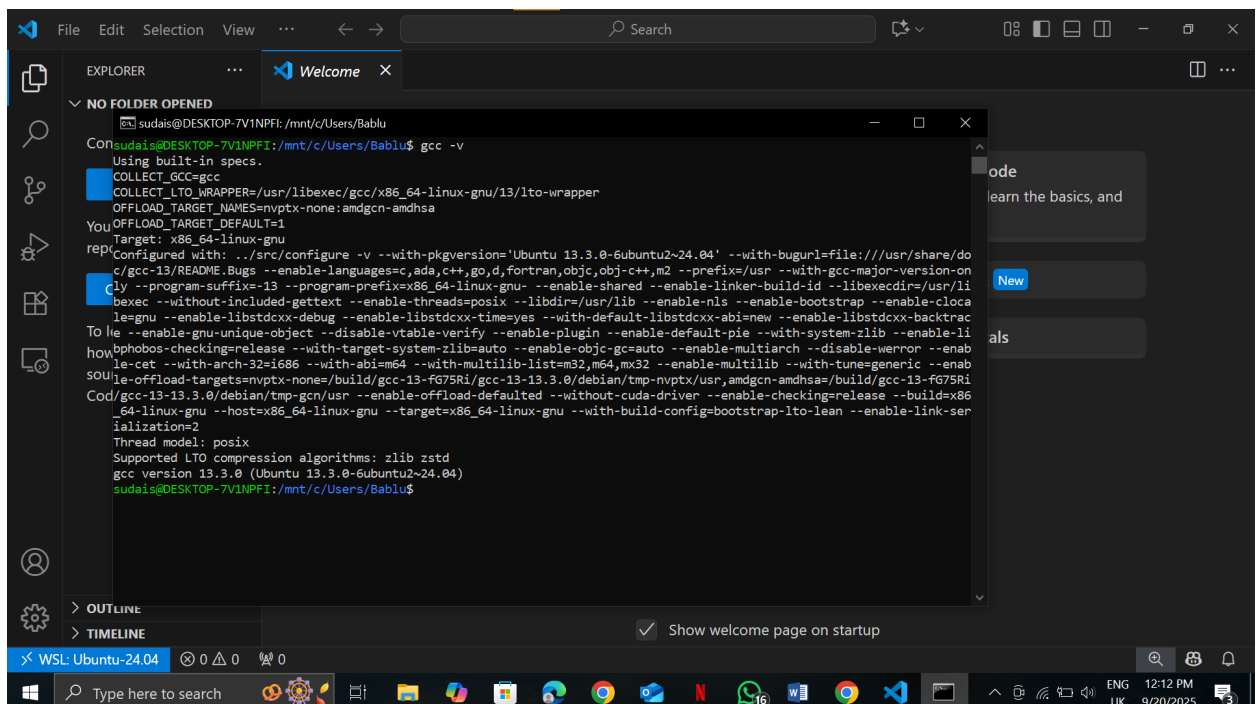


## • APT UPDATE:



```
sudais@DESKTOP-7V1NPF1: /mnt/c/Users/Bablu$ sudo apt update
[sudo] password for sudais:
Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Hit:2 http://archive.ubuntu.com/ubuntu noble InRelease
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:5 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.6 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1415 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:9 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1485 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [299 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [378 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.1 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:17 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:18 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7088 B]
Get:19 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [19.2 kB]
Get:20 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:21 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Fetched 4278 kB in 4s (963 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
sudais@DESKTOP-7V1NPF1: /mnt/c/Users/Bablu$
```

## • GCC VERSION:



```
Con sudais@DESKTOP-7V1NPF1: /mnt/c/Users/Bablu$ gcc -v
Using built-in specs.
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/libexec/gcc/x86_64-linux-gnu/13/lto-wrapper
OFFLOAD_TARGET_NAMES=nvptx-none:amdgc-nv-amdhsa
OFFLOAD_TARGET_DEFAULT=1
Target: x86_64-linux-gnu
Configured with: ../src/configure -v --with-pkgversion='Ubuntu 13.3.0-6ubuntu2-24.04' --with-bugurl=file:///usr/share/doc/gcc-13/README.Bugs --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --prefix=/usr --with-gcc-major-version-only --program-suffix=-13 --program-prefix=x86_64-linux-gnu- --enable-shared --enable-linker-build-id --libexecdir=/usr/lib --without-include-dedup --enable-threads=posix --libdir=/usr/lib --enable-nls --enable-bootstrap --enable-cloa legnu --enable-libstdc++-debug --enable-libstdc++-time=yes --with-default-libstdc++-abi=new --enable-libstdc++-backtrac To le --enable-gnu-unique-object --disable-vtable-verify --enable-plugin --enable-default-pie --with-system-zlib --enable-li bphobos-checking=release --with-target-system-zlib=auto --enable-objc-gc=auto --enable-multiarch --disable-werror --enab le-cet --with-arch=32=i686 --with-abi=m64 --with-multilib-list=m32,m64,mx32 --enable-multilib --with-tune=generic --enab SOURCE-offload-targets=nvptx-none/build/gcc-13-fg75Ri/gcc-13-13.3.0/debian/tmp-nvptx/usr,amdgc-nv-amdhsa/build/gcc-13-fg75Ri Cod/gcc-13-13.3.0/debian/tmp-gcn/usr --enable-offload-defaulted --without-cuda-driver --enable-checking=release --build-x86_ 64-linux-gnu --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-build-config=bootstrap-lto-lean --enable-link-ser ialization=2
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.3.0 (Ubuntu 13.3.0-6ubuntu2-24.04)
sudais@DESKTOP-7V1NPF1: /mnt/c/Users/Bablu$
```