National Textile University

Department of Computer Science

Subject: Operating System

_____

Submitted to: Sir Nasir Mahmood
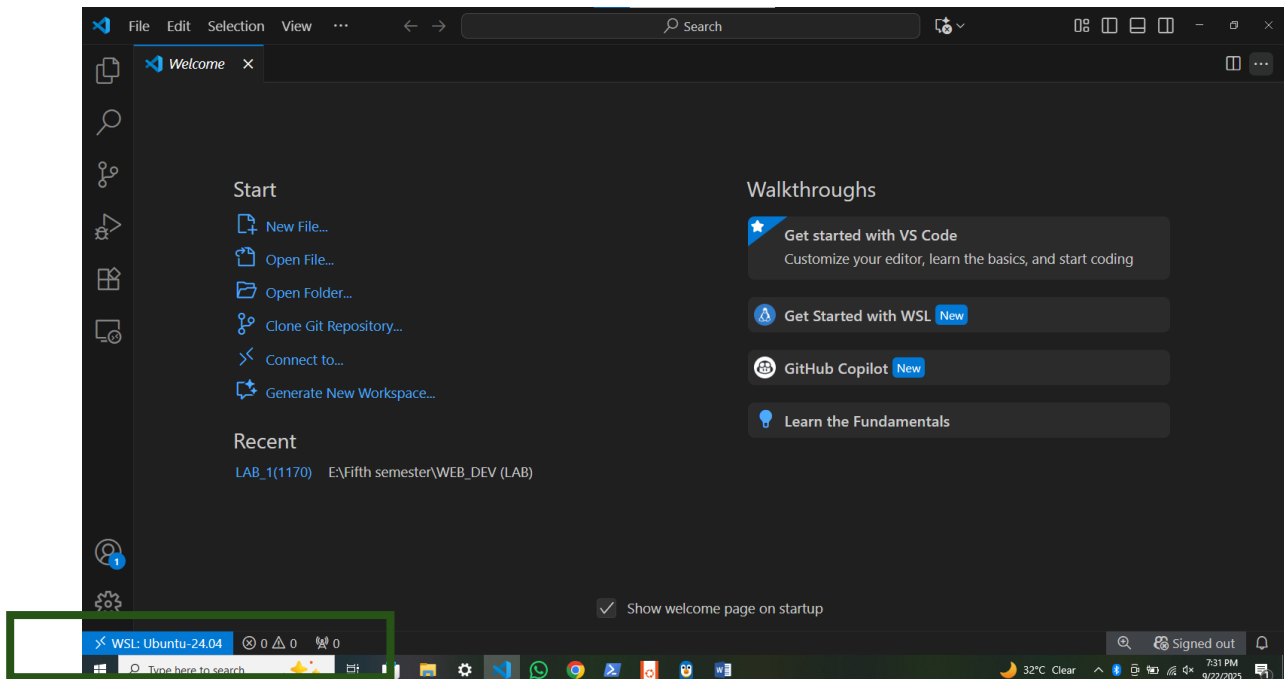
_____

Submitted by: Maha

_____

Reg. number: 23-NTU-CS-1170

_____

Lab no.: lab1

_____

Semester:5th

Connecting with VS Code:

Commands:

1. **sudo apt update && sudo apt upgrade -y**

2. **sudo apt install build-essential -y**

Wsl -l -v:

Gcc –v:

```
maha@DESKTOP-S85PBS9:~$ 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:amdgcn-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=/u
sr --with-gcc-major-version-only --program-suffix=-13 --program-prefix=x86_64-linux-gnu- --enable-shared
--enable-linker-build-id --libexecdir=/usr/libexec --without-included-gettext --enable-threads=posix --li
bdir=/usr/lib --enable-nls --enable-bootstrap --enable-clocale=gnu --enable-libstdcxx-debug --enable-libs
tdcxx-time=yes --with-default-libstdcxx-abi=new --enable-libstdcxx-backtrace --enable-gnu-unique-object -
-disable-vtable-verify --enable-plugin --enable-default-pie --with-system-zlib --enable-libphobos-checkin
g=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 --enable-offload-targets=nvptx-none=/build/gcc-13-fG75Ri/gcc-13-13.3.0/debian/tmp-nvptx/usr,amdg
cn-amdhsa=/build/gcc-13-fG75Ri/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-serialization=2
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.3.0 (Ubuntu 13.3.0-6ubuntu2~24.04)
maha@DESKTOP-S85PBS9:~$
```