

National Textile University

Department of Computer Science

Subject:

Operating Systems

Submitted To:

Sir Nasir

Submitted By:

Alishba Riasat

Registration No:

23-NTU-CS-1135

Lab No:

Week 1- Home tasks

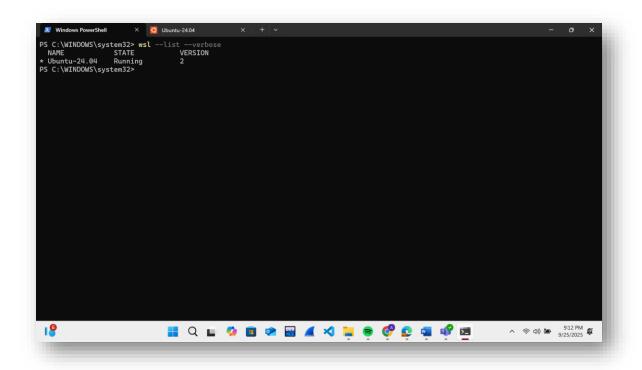
Semester:

5th

Week 1 Home tasks:

Part A: WSL2 & Ubuntu Setup

1. Verify WSL2 and Ubuntu installation



2. Update Ubuntu Environment

```
**Itshba@DESKTOP-$3K@VAS: $ sudo apt update && sudo apt upgrade -y [sudo] password for alishba:

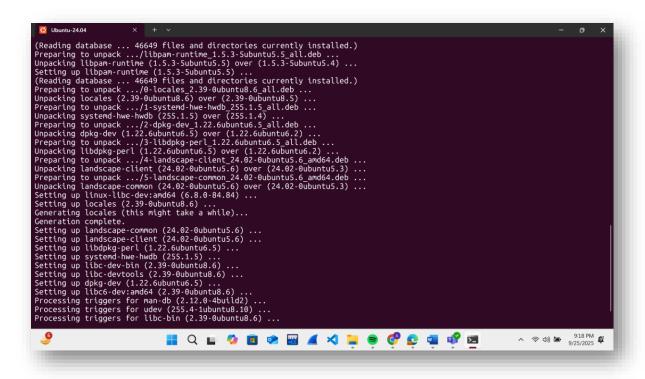
Sorry, try again.

[sudo] password for alishba:

Hit:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:2 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading package lists... Done
17 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following package was automatically installed and is no longer required:
libilum19

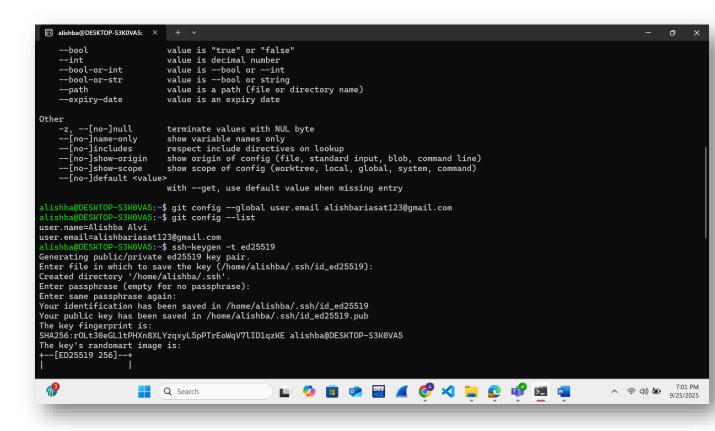
Use 'sudo apt autoremove' to remove it.
The following packages will be upgraded:
dpks dpks, dev landscape-client landscape-common libc-bin libc-dev-bin libc-devtools libc6 libc6-dev libdpkg-perl
libpam-modules libpam-modules-bin libpam-runtime libpamog linux-libc-dev locales systemd-hwe-hwdb
17 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
14 standard LTS security updates
Need to get 221 k8/15.6 MB of archives.
After this operation, 17.4 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main and64 systemd-hwe-hwdb all 255.1.5 [3518 B]
Get:2 http://archive.ubuntu.com/ubuntu noble-updates/main and64 landscape-client and64 24.02-@ubuntu5.6 [93.2 kB]
Fetched 221 kB in 7s (31.5 kB/s)

Preconfiguring packages ...
(Reading database ... 46649 files and directories currently installed.)
```



Part B: Git & Github SSH Setup

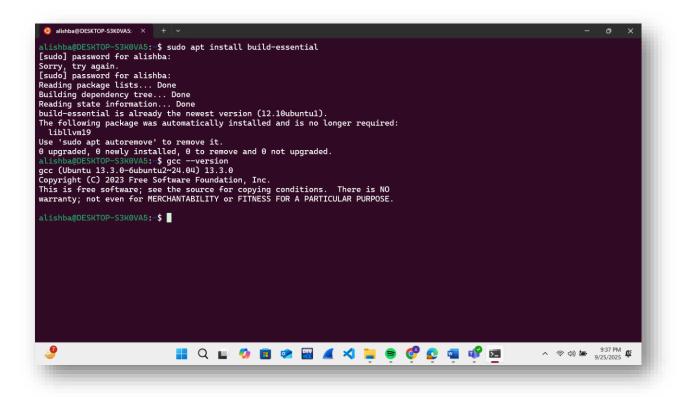
1. Configure Git



2. Generate SSH Keys & Test Connection

Part C: C Programming Environment & Practice

Step 1: Install Build Tools



Step 2: How to run a C Program

(a guide to run c program)

Step 3: Write a C Program

