# Lab Assignment – LAB 1

# System Setup

# Introduction

In this lab we will be installing Ubuntu 22.04.3 LTS as a virtual machine using VMware or VirtualBox.

# Reference Material

* To emulate an operating system, we will use VirtualBox.
* The installation file can be downloaded from [VirtualBox’s Download Page](https://www.virtualbox.org/wiki/Downloads).
* Install VirtualBox by following the [online instruction page](https://www.virtualbox.org/manual/UserManual.html#installation).
* We will use a standard .iso image to install an Operating System onto a Virtual Disk
* We will use Ubuntu as the Operating System
* You can download the 64-bit server image or the desktop version (with GUI)
* To install Ubuntu 22.04.3 LTS <https://ubuntu.com/download/desktop>

## Setting Up the Virtual Machine

We will perform the lab work on virtual machines using VirtualBox.

Fill in the following information

* GuestOS: Ubuntu-vm (Virtualbox asks the type (Linux/Ubuntu 64-bit))
* Memory Size:  to run a desktop VM with GUI, 4-5 GB is minimum but for server iso 1 GB.
* # of CPU: 1 CPU
* Disk #1 Size: allocate the size. 25 GB

**Check if Python Is Installed on Ubuntu**

*python3*

**Step1: To Install Python on Ubuntu**

First update the Package Repository: Update the package repository to ensure you get the latest available program version. Run the following command:

*sudo apt update*

**Step 2: Install Python**

After the package repository information is updated, run the command below to install Python:

*sudo apt install python3*

**Step 3: Verify Installation**

Verify whether the installation was successful by checking the program version:

*python3 –version*

# Lab Report

Submit a screenshot for every application to show that it’s working properly.

All screenshots should have an indication that it was run on your own machine (e.g., your username, or your computer information)