Installing **git** and cloning the class git repo

January 19, 2026

Given:
Ubuntu Desktop;
User account on Ubuntu Desktop.

The version of installed Ubuntu Desktop is: 24.04.03

In this how-to, we will go step-by-step over installing the git client, then using it to clone the git repo whose contents are used in *Introduction to Programming for Researchers*, both the book and the class.

The git repo for the book and the class *Introduction to Programming for Researchers* contains the code, notebooks, and datafiles used in both book and class. Additionally, the repo contains how-tos and scripts in the *system_ administration* subdirectory for installing the apps used in Bash and the SciPy stack; as well as compiling and installing Python interpreters made available at https://python.org .

In this how-to, we will walk through first installing the git client, then cloning the repo for the book and class in a subdirectory off the home directory, which we'll name "repo".

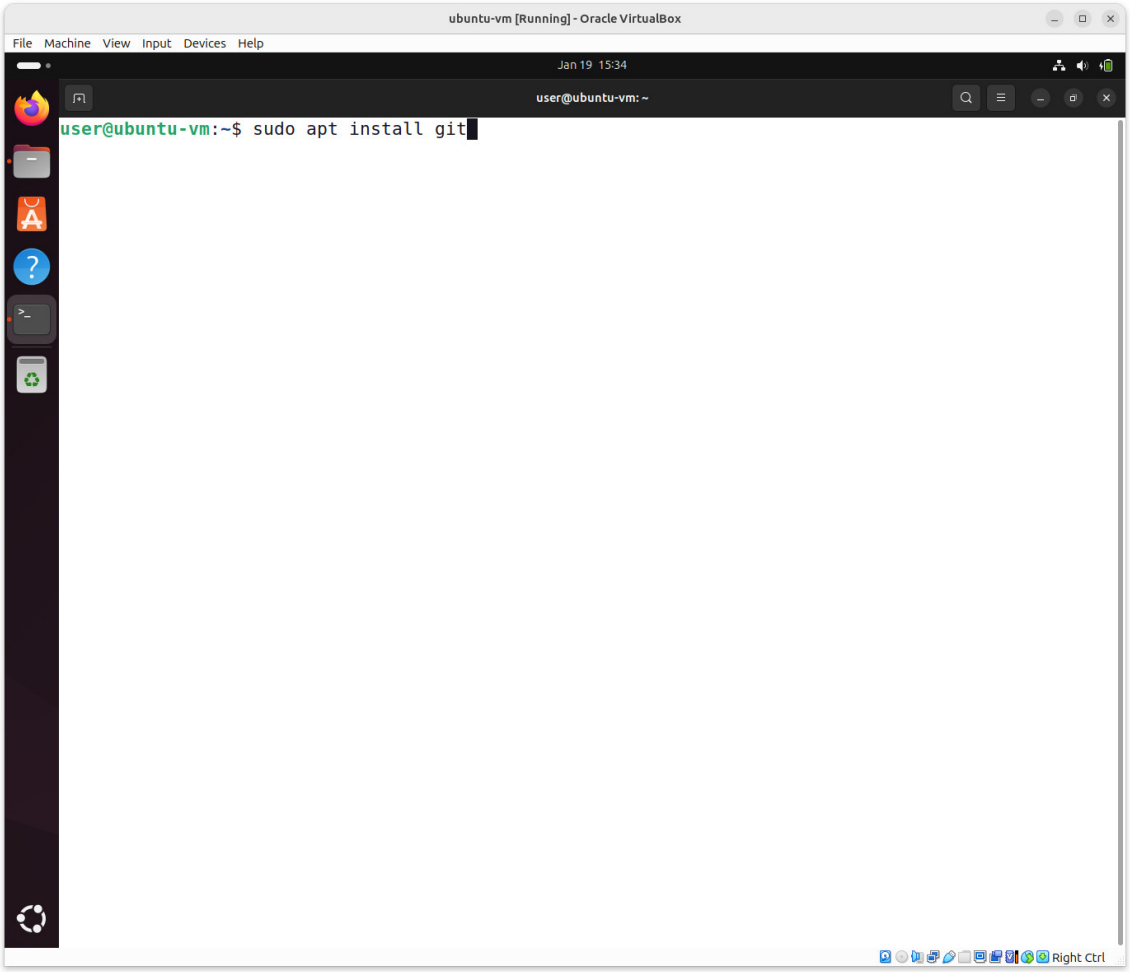

Figure 1: **Downloading and installing *git* in Ubuntu.**
We install git from Ubuntu repos using apt.

Clear the terminal window of clutter by typing on the command line: **clear** Then hit **ENTER**.

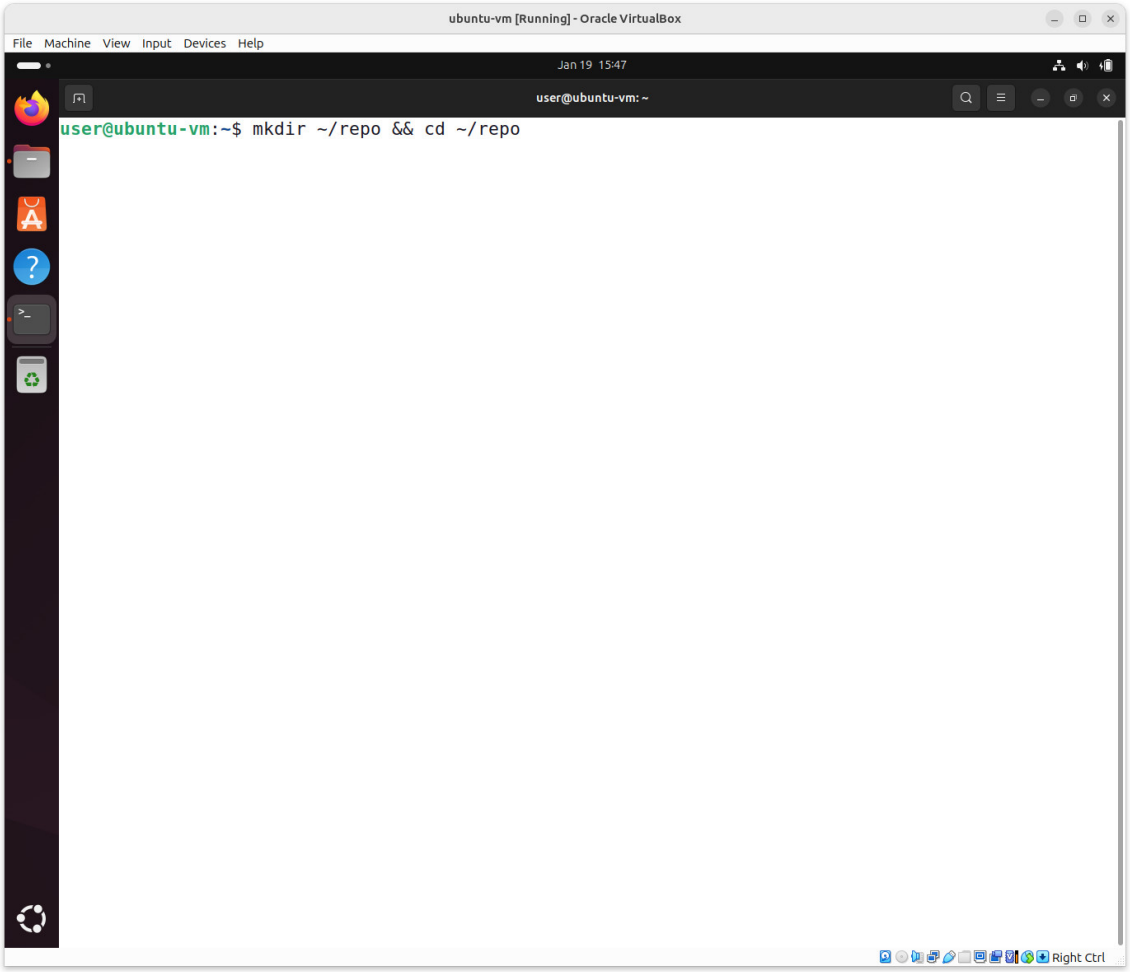

Figure 2: **Making directory "repo" and navigating into it.**
We wish to keep our home directory as organized as possible. To this end, we'll create a subdirectory named "datafile" in which we'll keep all datafiles, a subdirectory named "notebook" in which we'll keep all Jupyter notebooks, etc.
Likewise, we'll create a subdirectory named "repo" in which we'll keep all repos.
On the command line, type: **mkdir ~/repo && cd ~/repo**
Then hit **ENTER**.

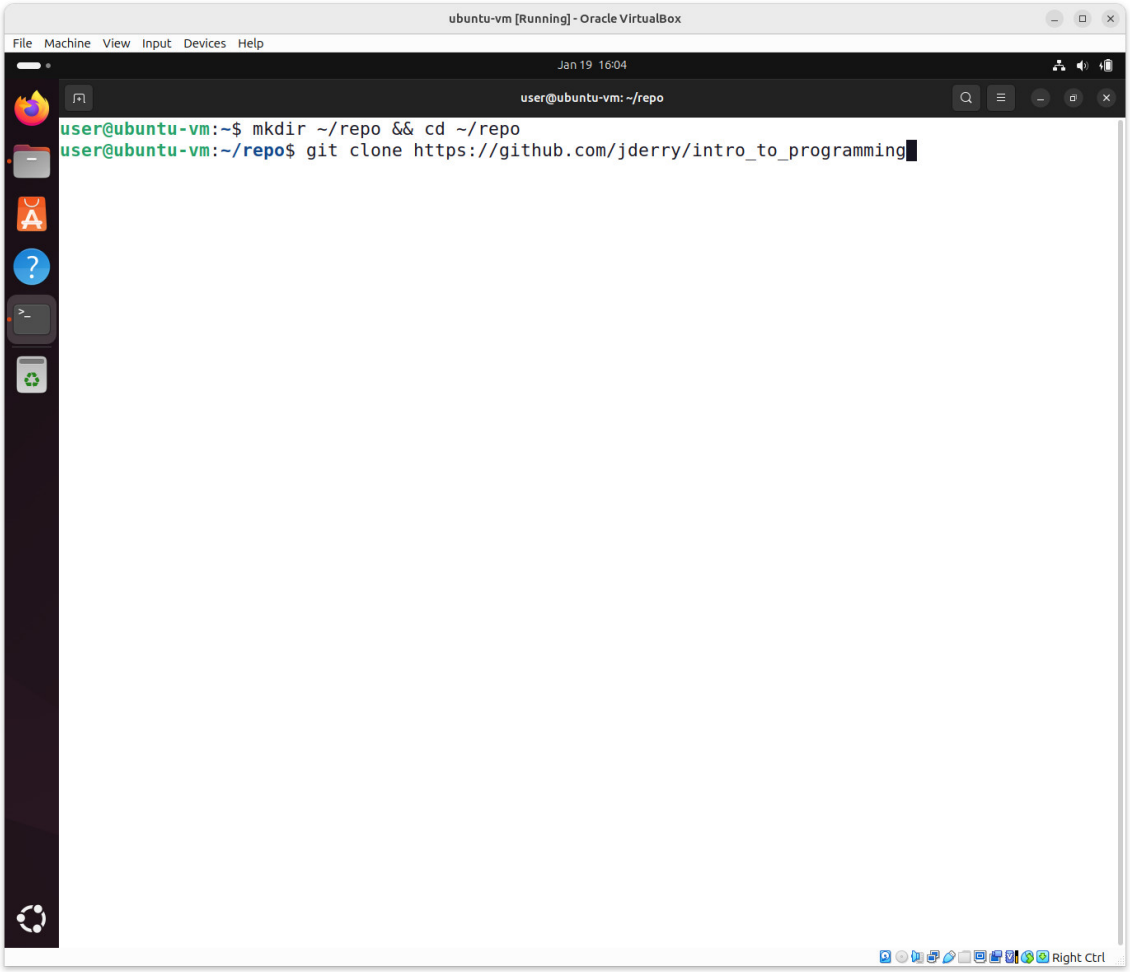

Figure 3: **Cloning the book and class repo in the repo subdirectory.**
Please note that after executing the last command, the working directory has changed to the repo subdirectory. We can tell this by the change in the Bash prompt, which shows: ~/repo
While we're in the repo subdirectory, we'll clone the book and class repo.
On the command line, type: **git clone https://github.com/jderry/intro_to_programming**
Then hit **ENTER**.
It will take a little time to clone the repo; but once git finishes, you will have a clone of the class and book repo just off the home directory of your Ubuntu box.

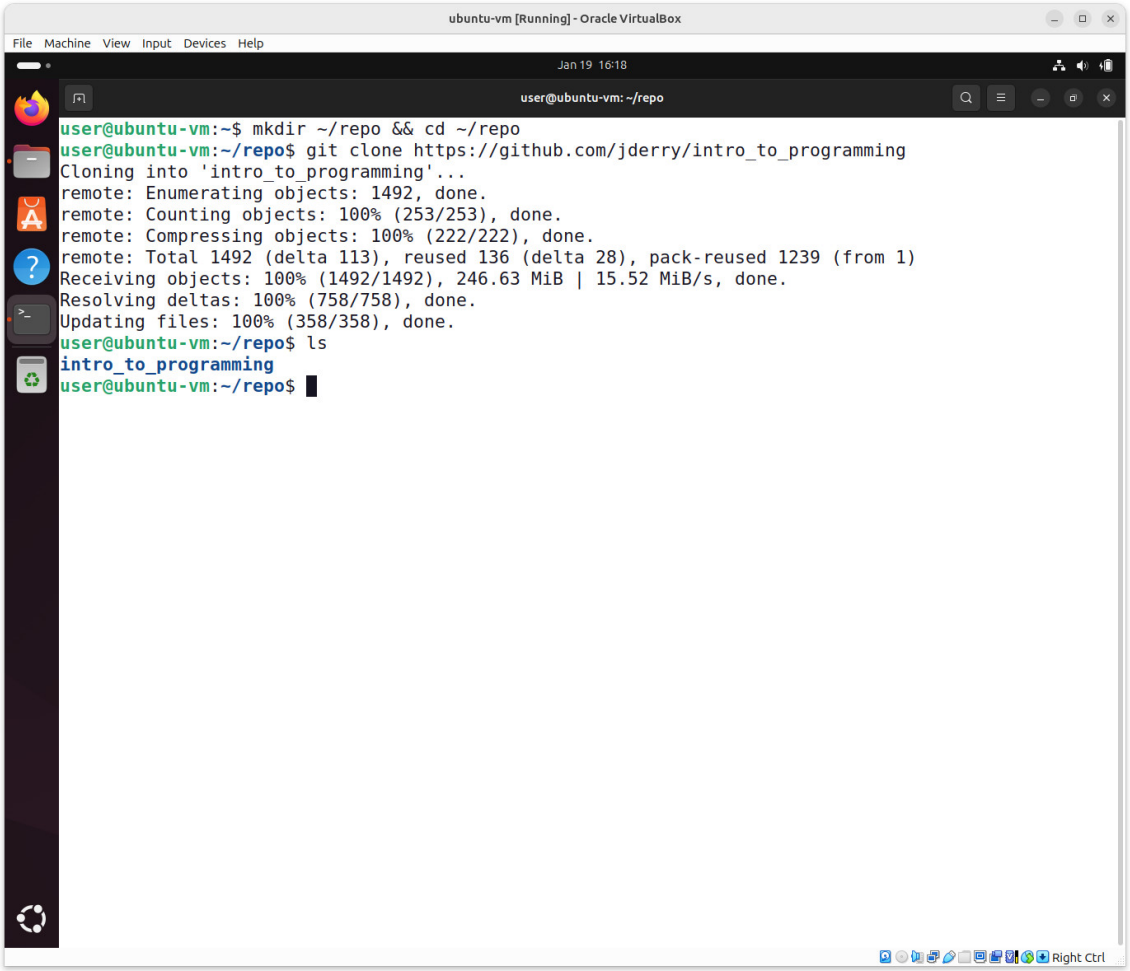

Figure 4: **Verifying the cloned repo.**
The **ls** command, invoked without arguments, lists the working directory's contents.

This ends this how-to on installing git and cloning the class and book repo.