1   Procedure to Install gnuplot 5.2.6 on Debian/Ubuntu Linux

1. To follow the installation procedure, you need to be connected to the internet.

2. Open the web browser. Go to web address `http://www.gnuplot.info` .

3. The tutorial Introduction to gnuplot, at 02:05 minutes, explains how to download gnuplot from the website.

4. Download the gnuplot tarball source file.

5. The software version number that you download will not be `5.2.6`, it will be version number that is downloaded.

6. Open a terminal by pressing Ctrl + Alt + T keys together.

7. Change directory to Downloads , where is the file is downloaded, with the command, `cd Downloads` and press `Enter`.

8. After typing each command in the terminal, press the `Enter` key to execute it. I will not mention it seperately for the steps below.

9. Extract the files from the tarball, with command `tar -xvf gnuplot-5.2.6.tar.gz` .

10. The software version number will be higher than `5.2.6`, at the time of practising.

11. Change directory to the extracted directory, `cd gnuplot-5.2.6` .

12. In the terminal type `sudo ./configure` .

13. In the terminal type `sudo make` .

14. In the terminal type `sudo make check` .

15. A graphics window will appear and disappear.

16. In the terminal type `sudo make install`.

2   Alternate method, if user faces library issues during gnuplot build

1. If user face library issues during gnuplot build, use the following set of commnds for installation.

2. Open a terminal by pressing Ctrl, Alt and T keys together.

3. In the terminal type the command, `sudo apt-get update` .

4. If prompted for sudo password, type the sudo password and press `Enter`.

5. Allow the process to be completed.

6. Next, type the command. `sudo apt-get install gnuplot` and press `Enter` to continue.

7. An additional prompt may appear, reading "After this operation, additional disk space will be used. Do you want to continue? [Y/n]".

8. If so, type `Y` and press `Enter` to install `gnuplot`.

9. This part is not explained in the tutorials.

3   Procedure to open gnuplot in Debian/Ubuntu Linux

1. Open a terminal.

2. In the terminal type `gnuplot` and press the `Enter` key.

3. This will open `gnuplot` and the `gnuplot` prompt is seen in the terminal.

4. To close `gnuplot`, type `q` or `quit` in the `gnuplot` prompt and press `Enter`.

5. This exits `gnuplot` and the terminal prompt is seen.

4   Check the terminal capability

1. Open `gnuplot`.

2. Type `test` in the gnuplot prompt and press the `Enter` key.

3. This will open a graphics window showing the terminal capability for the user's computer.

4. Close the graphics window by clicking on the x sign on top.

5. To close `gnuplot`, type `q` or `quit` in the `gnuplot` prompt and press `Enter`.

6. This exits `gnuplot` and the terminal prompt is seen.

5   Procedure to Install gnuplot on Windows OS

1. To follow the installation procedure, you need to be connected to the internet.

2. Open a web browser.

3. Go to the web address, https://www.gnuplot.info/ .

4. The tutorial on Installation of gnuplot on Windows OS, at 01:30 minutes, explains how to download gnuplot from the website.

5. Download the gnuplot installable file.

6. Double click on the downloaded exe file to start the installation of `gnuplot`.

7. Install gnuplot as per prompt, accepting the default configurations. Change them if you prefer to do so.

8. The tutorial on `Installation of gnuplot on Windows OS`, at 4:00 minutes, explains how to install `gnuplot` from the downloaded exe file.

6   Procedure to open gnuplot in Windows OS

1. Press the windows key on the keyboard.

2. In the search form, type `gnuplot`.

3. Notice a Desktop app and a console version listed.

4. Console version is similar to the Linux program. We will use this version in the tutorials.

5. Double click on the console version to open it.

6. A Unix/Linux sytle terminal opens with the `gnuplot` prompt.

7. To close `gnuplot`, type `q` or `quit` in the `gnuplot` prompt and press `Enter`.

8. This exits `gnuplot` and the terminal also closes.