ESCMID Global Machine learning workshop 2025: Installing Orange – Ubuntu

Last updated 25/02/2024

This document outlines how to install Orange on an Ubuntu system. If you go to the Orange data mining software download link (https://orangedatamining.com/download/), you will see instructions for downloading Orange for "Other platforms". This is shown below.

Other platforms

Anaconda

Create and activate a conda environment for Orange (optional, but recommended)

```
conda create python=3.10 --yes --name orange3
conda activate orange3
```

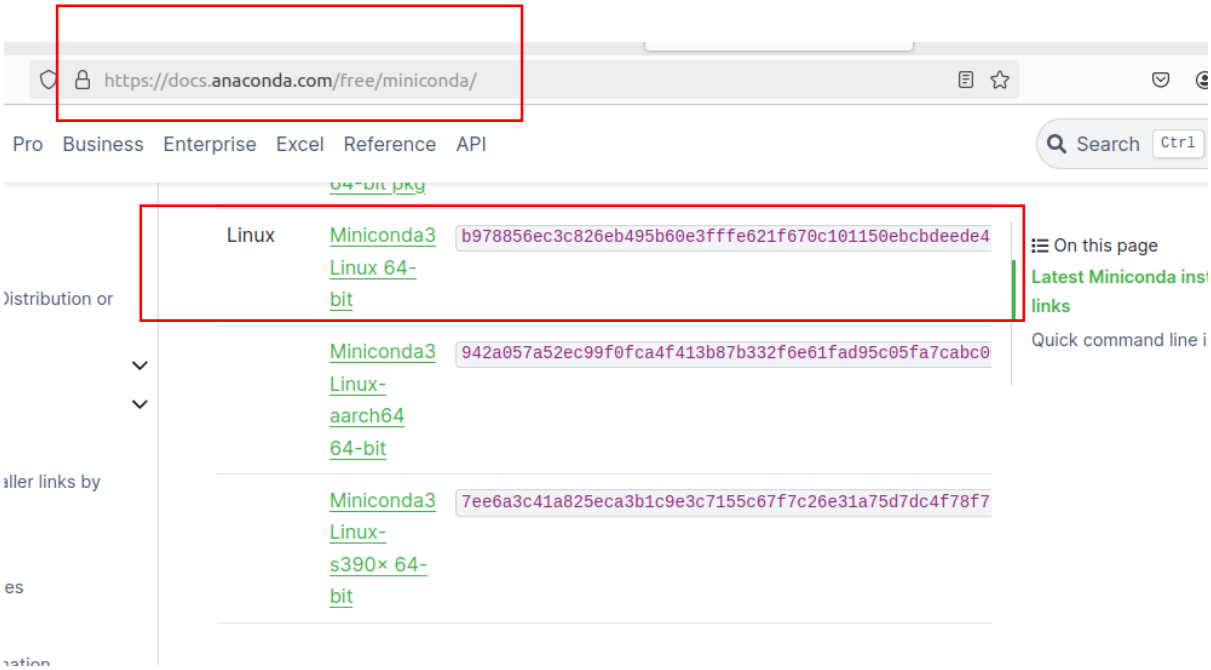
Add conda-forge to the list of channels you can install packages from (and make it default)

```
conda config --add channels conda-forge
conda config --set channel_priority strict
```

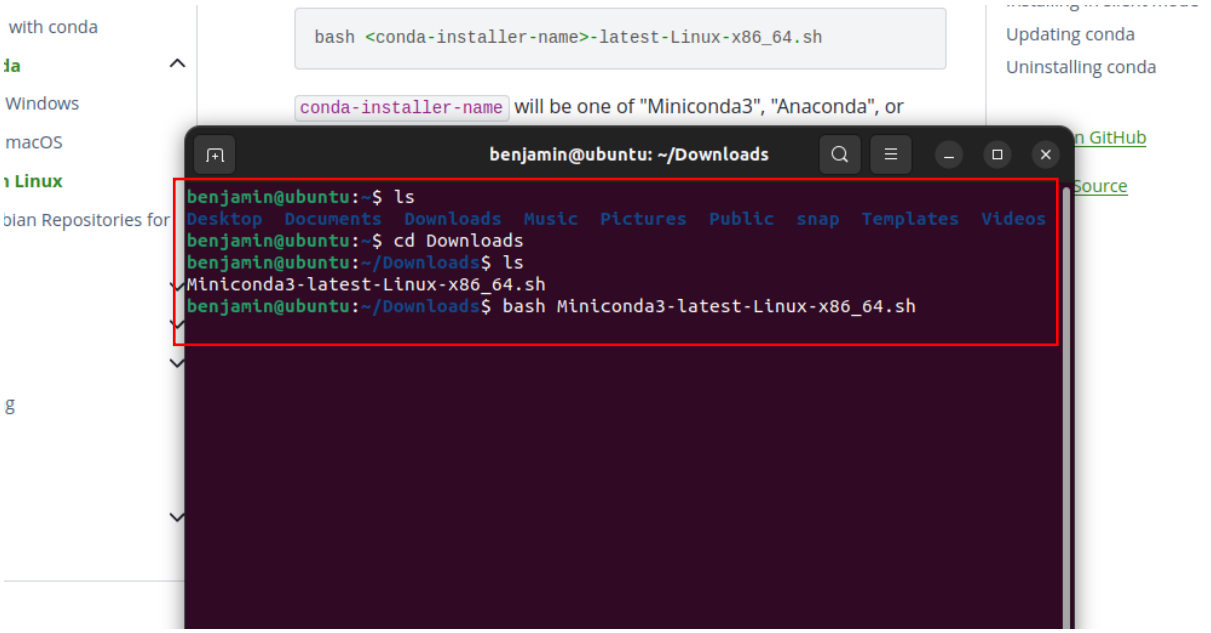
and run

```
conda install orange3
```

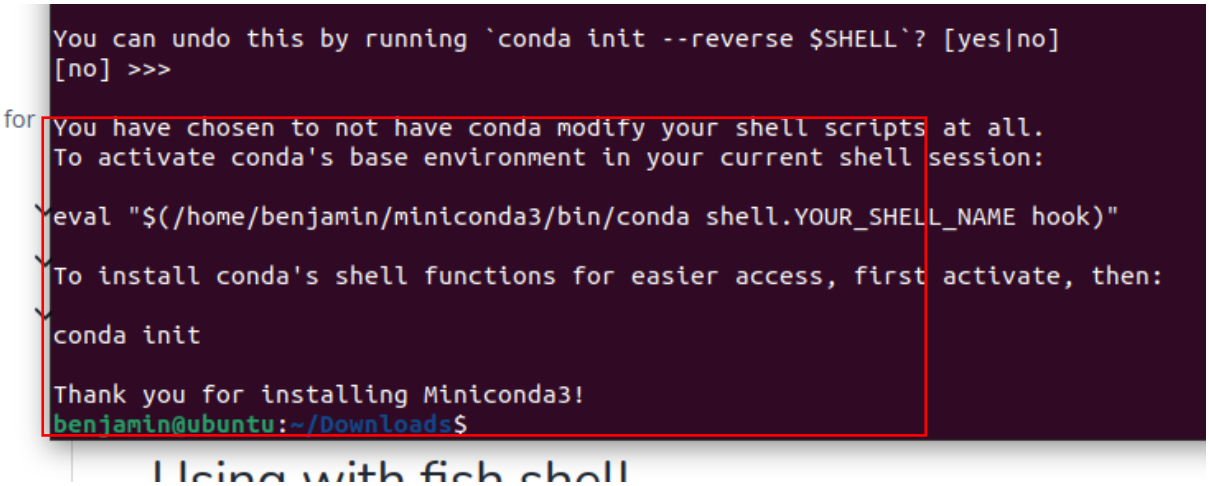
Do download Orange, you should first install Conda on our system. This can be done by going to the website shown in the next image. Downloading the first Linux "Miniconda3 Linux 64-bit" file should work.



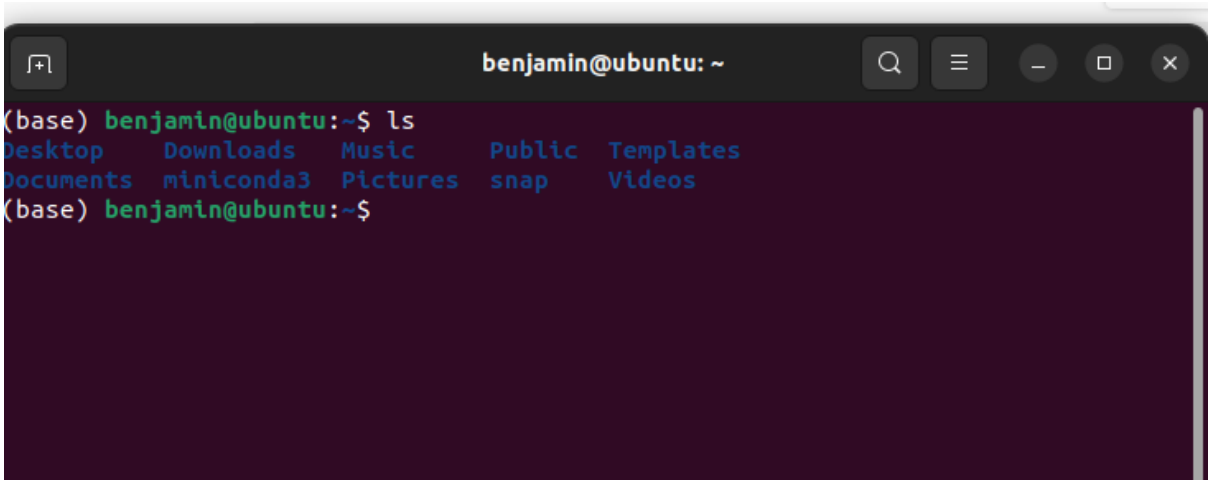
Once downloaded, you can navigate to the downloads folder via the terminal. You can then run the command shown in the image below



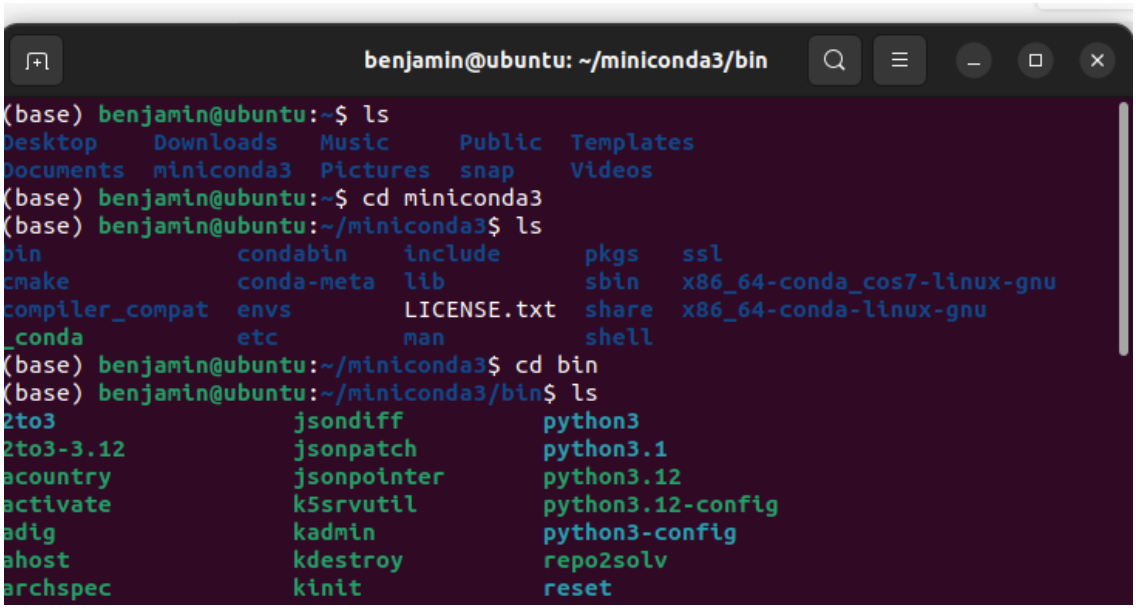
After it finishes installing, the terminal will look like the below image.



Close the terminal and reopen a new terminal.



Next, we want to navigate to the miniconda3 directory and then navigate to the bin directory. This is shown in the image below.



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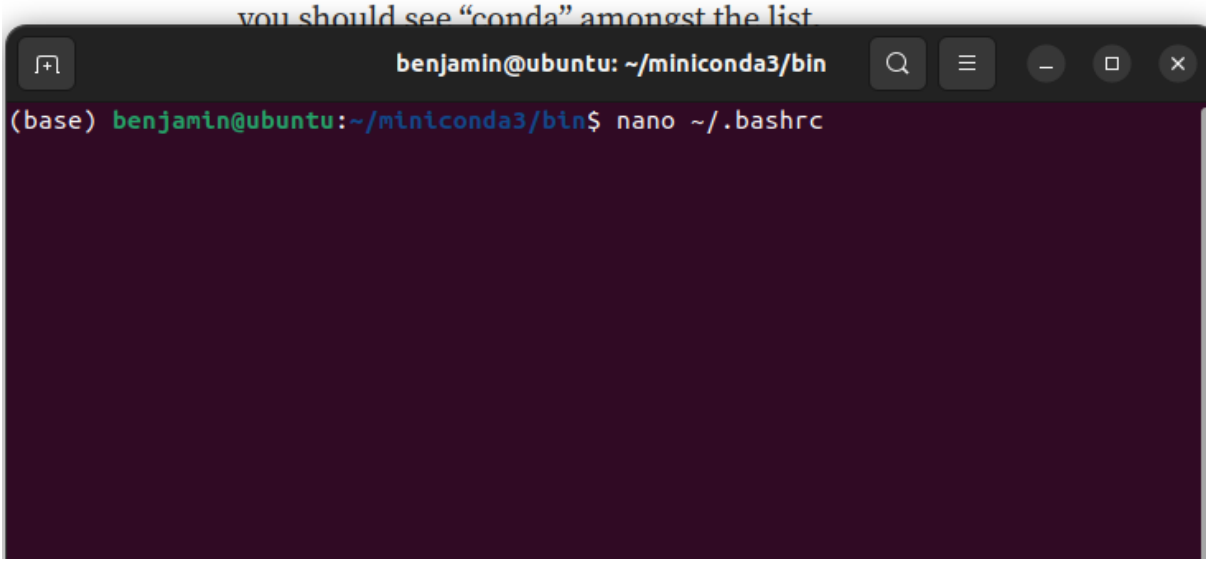
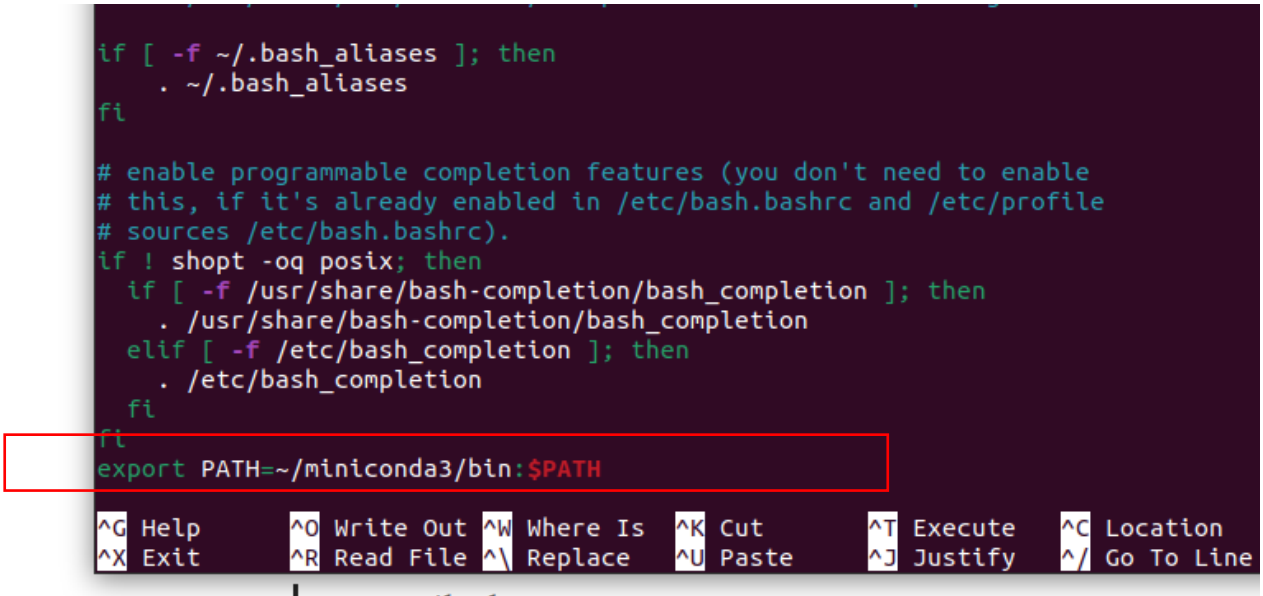
Next, we can run the “nano ~/.bashrc” command

you should see “conda” amongst the list

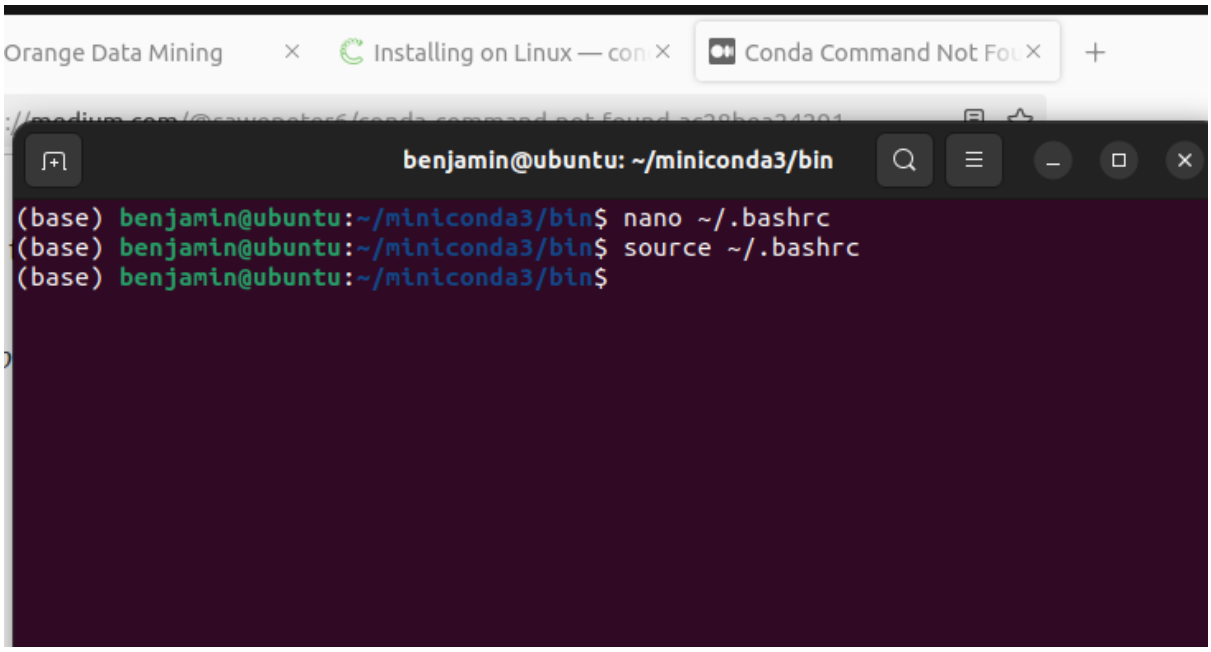


After running the command, the terminal should look like / similar to the image below. Use the down arrow to navigate to the bottom of the file and add the line “export PATH=~/miniconda3/bin:$PATH” as shown in the image below



nano ~/.bashrc

Press “ctrl s” to save and then “ctrl x” to exit. You will see the terminal again. On the next line, run the command “source ~/.bashrc”. This is shown in the image below.



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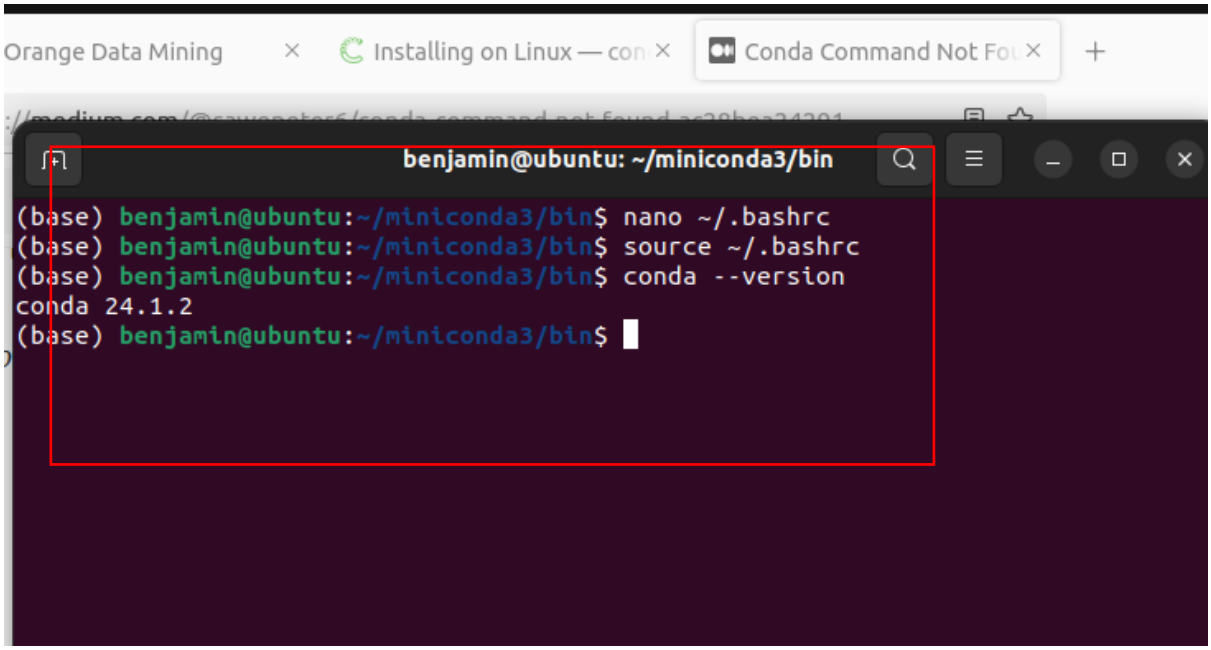
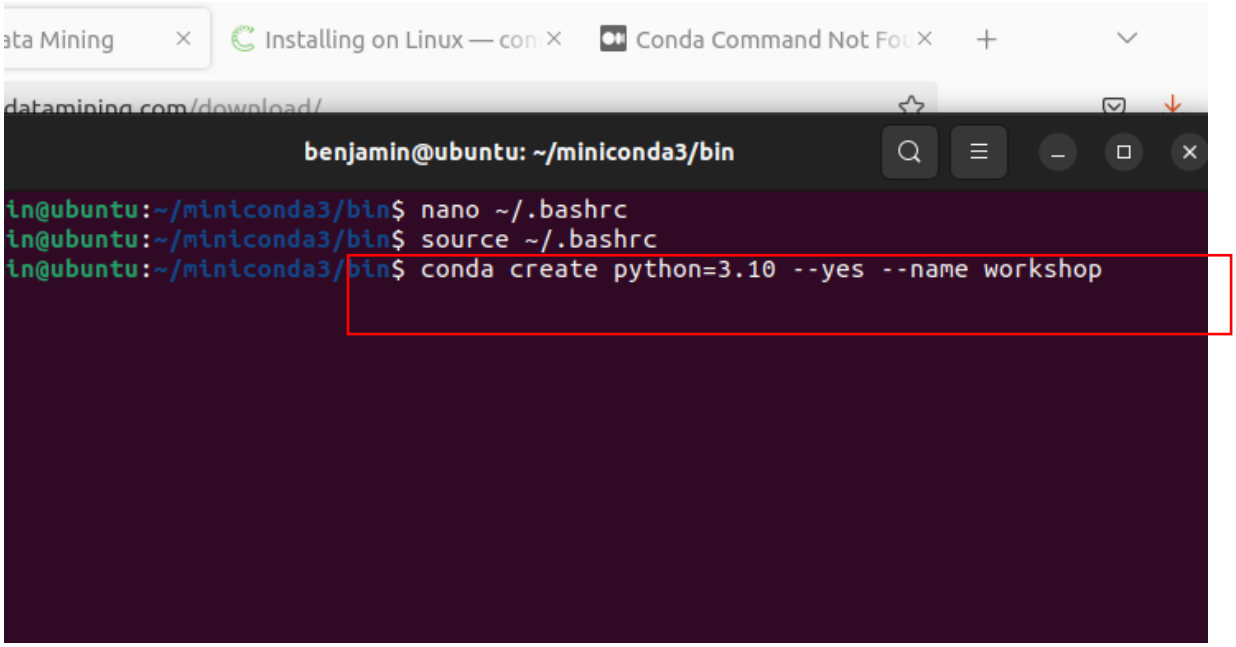
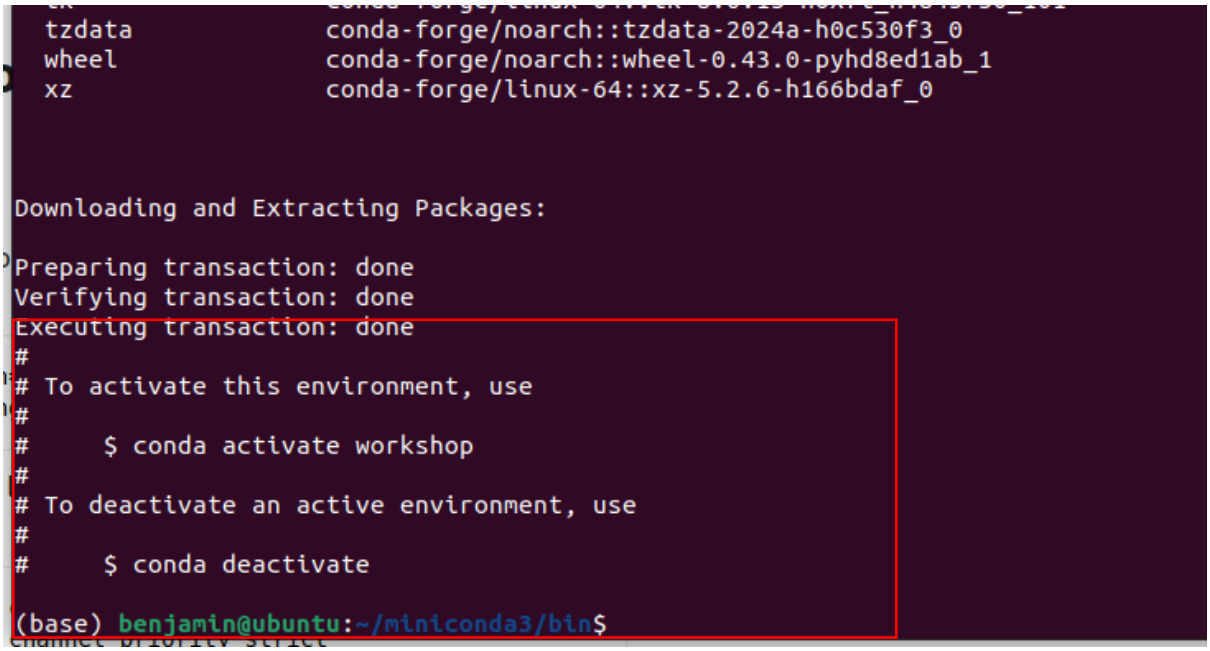
You can run the “conda --version” command to check if the installation worked correctly. This is shown below.



Next, we want to create a virtual environment. We can do this by running the command “conda create python=3.10 –yes –name workshop”. This is shown below, and create an environment called “workshop”.



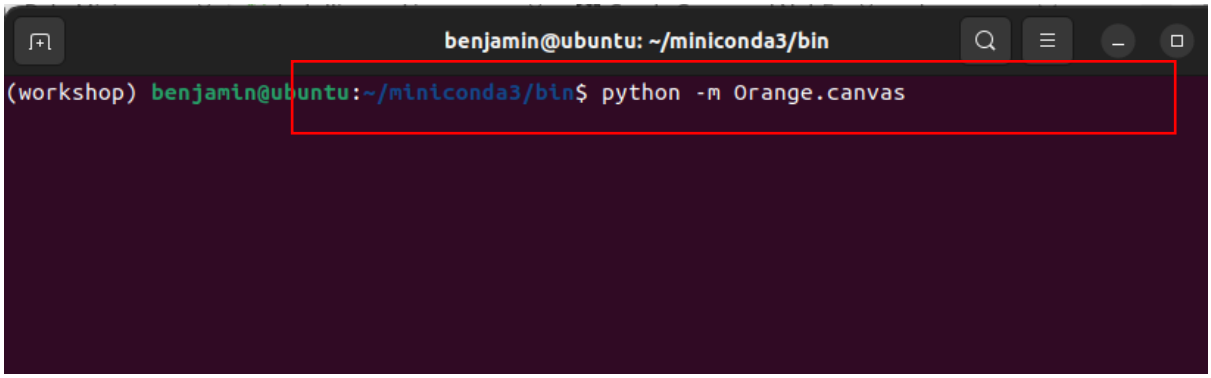
After running the command. You should see the following in your terminal.



Next, we can activate this environment. Do this by running the command “conda activate workshop”. Then, if the left of the terminal has changed from “(base)” to “(workshop)”, it has worked. Next, you can run two more commands, as shown in the image below.

Next, install Orange by running the “conda install orange3” command.

Finally, after the installation is complete, run the command below.



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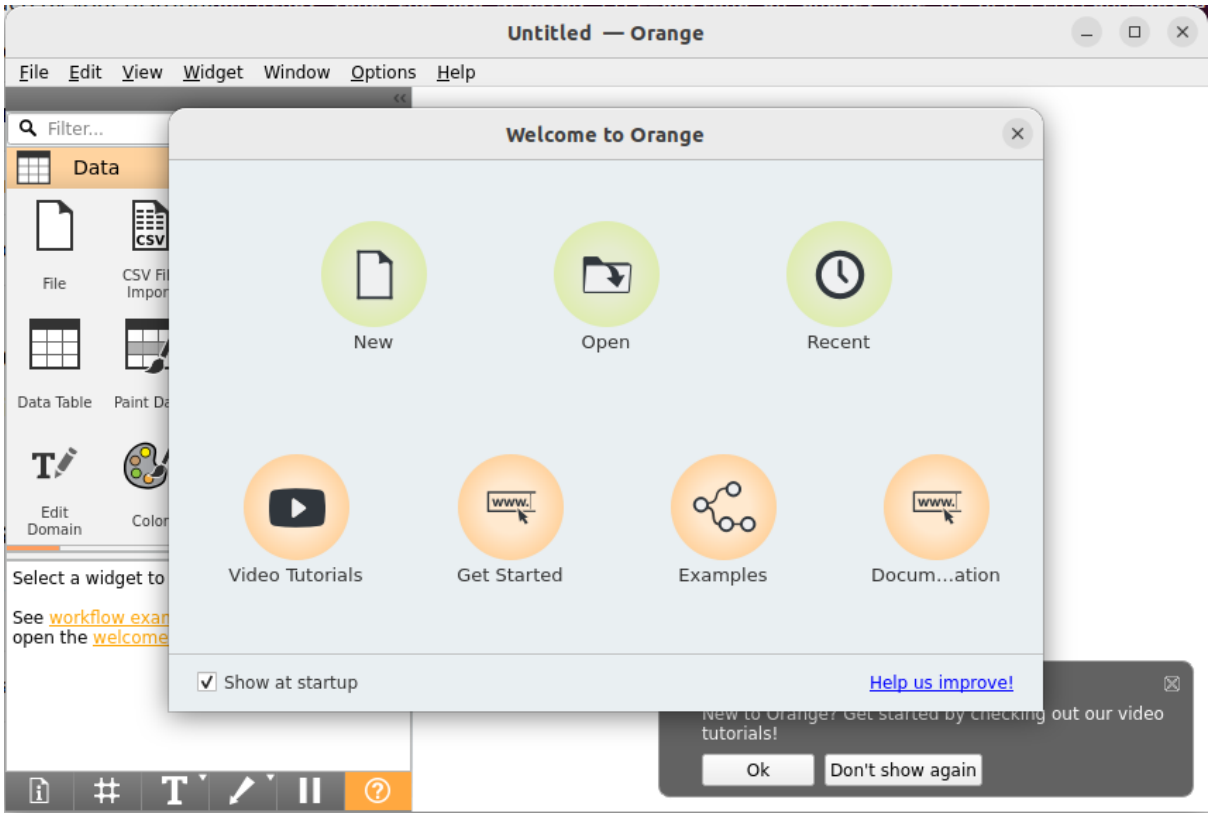
After running the previous command, you should see the following Orange graphical user interface.



After all this is complete, next time you want to open orange, you can just use the following commands when opening a new terminal.