MPLAB IDE Installation guide for Linux

Tools required to be installed

- MPLAB X IDE (Development Evnvironment)

- MPLAB® XC8 Compiler (Cross Compiler)

- PICSimLab Simulator (Simulating tool)
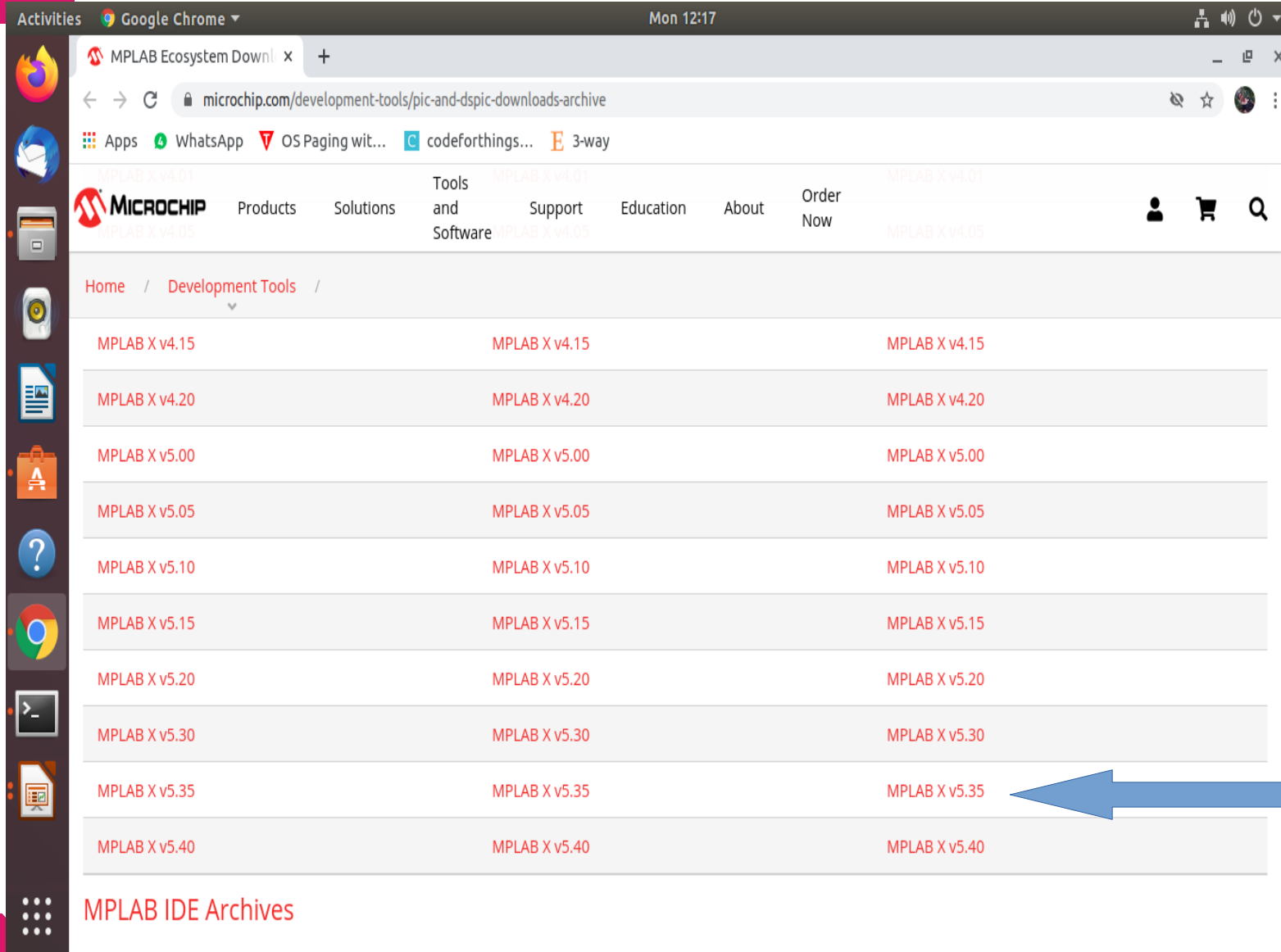
Installing MPLAB X IDE

- **Step 1 – Download MPLAB X IDE v5.35for Linux / Ubuntu**

    >Open any browser and search for MPLAB X IDE

    >Click on the very first link and download MPLAB X IDE v5.35

    appropriate for your OS.

    > Otherwise click on the below link to download MPLAB X IDE

    v5.35 for Ubuntu OS.

    https://ww1.microchip.com/downloads/en/DeviceDoc/MPLABX-v5.35-linux-installer.tar

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Installing MPLAB X IDE

- open the below link
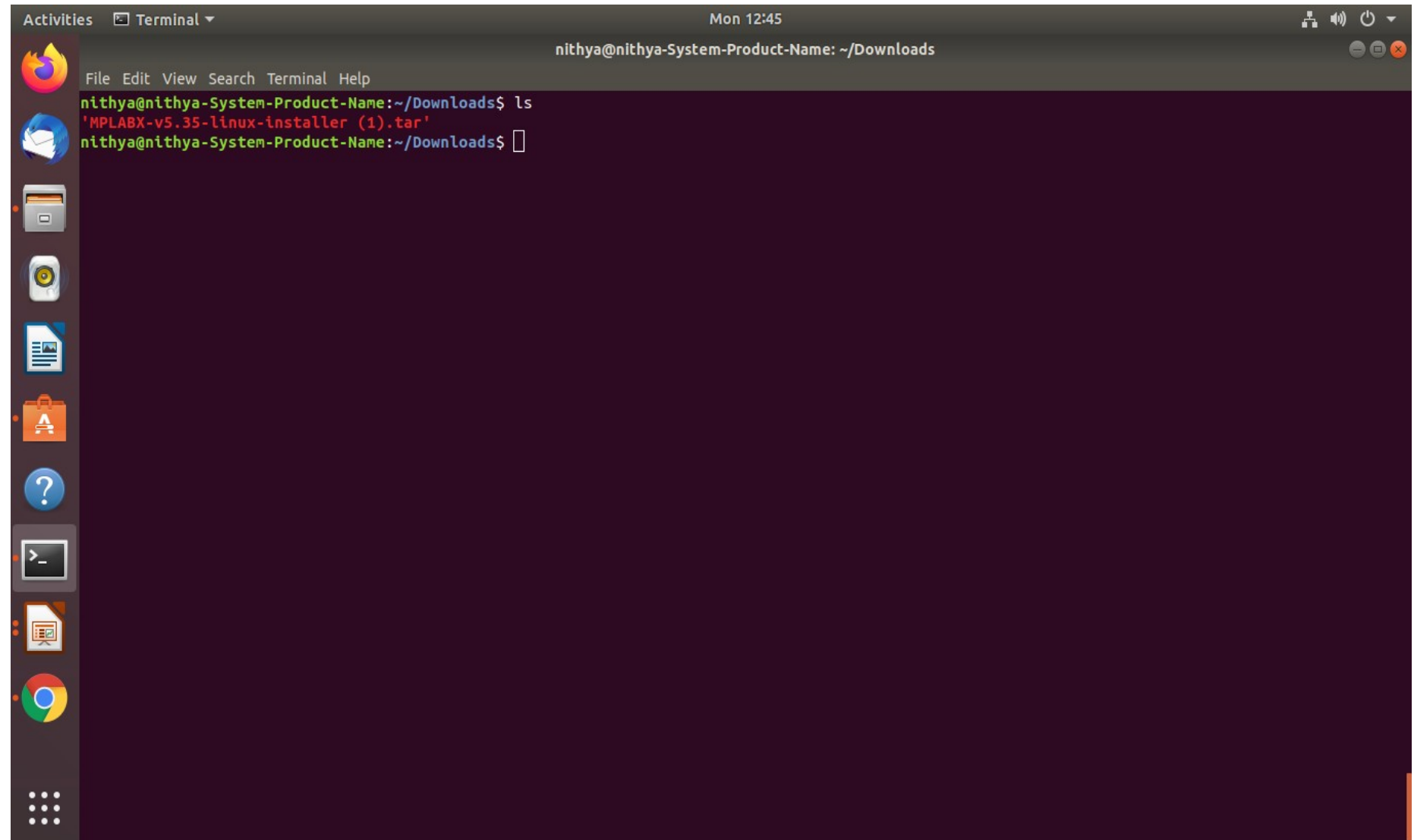 https://www.microchip.com/development-tools/pic-and-dspic-downloads-archive

Installing MPLAB X IDE

-> File size is 958 MB so it may take time to download

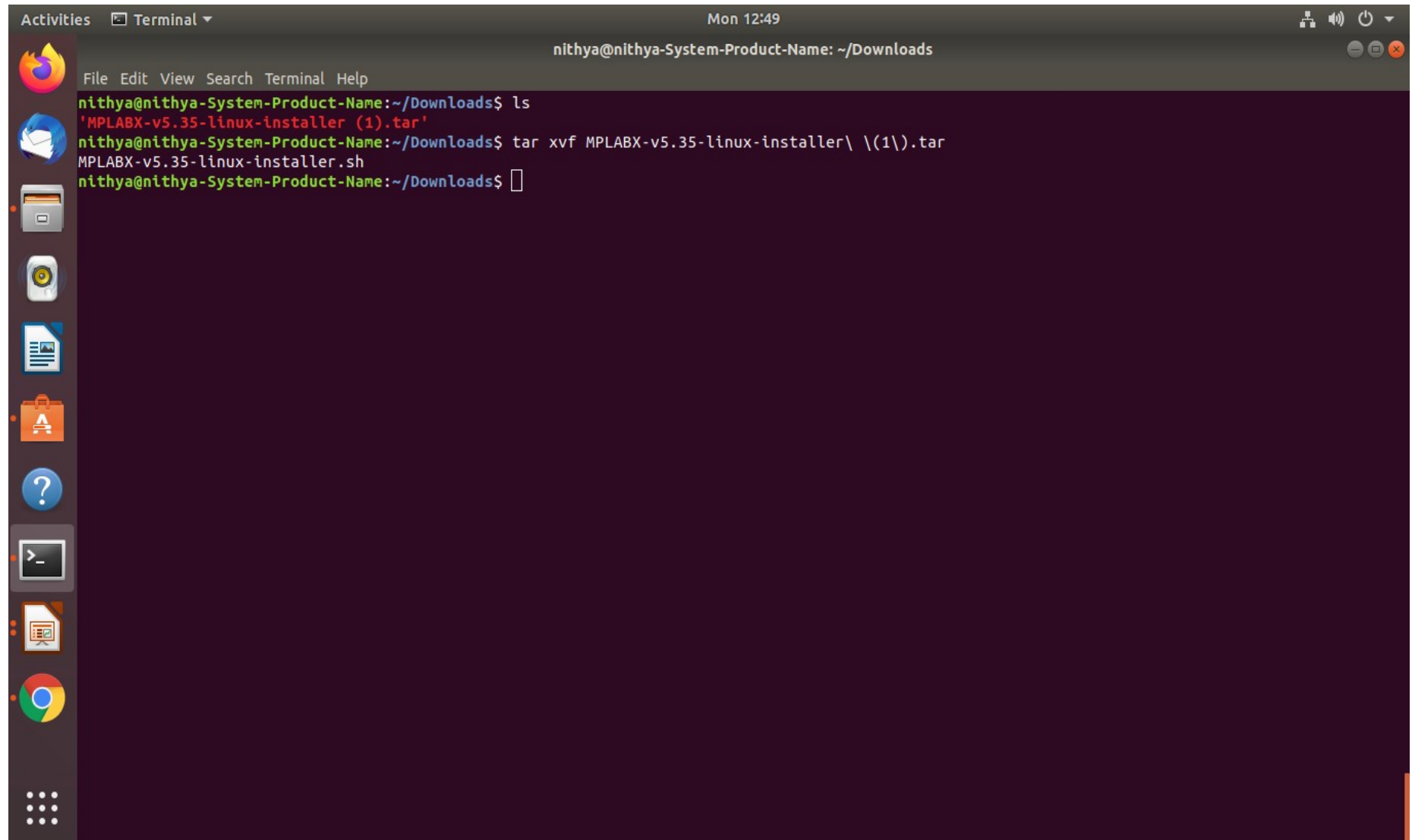-> Once dowloading is completed open terminal and move to downloads directory

Installing MPLAB X IDE

-> It is an archive so extract the file which is inside the archive using tar command as shown in the screen shot.

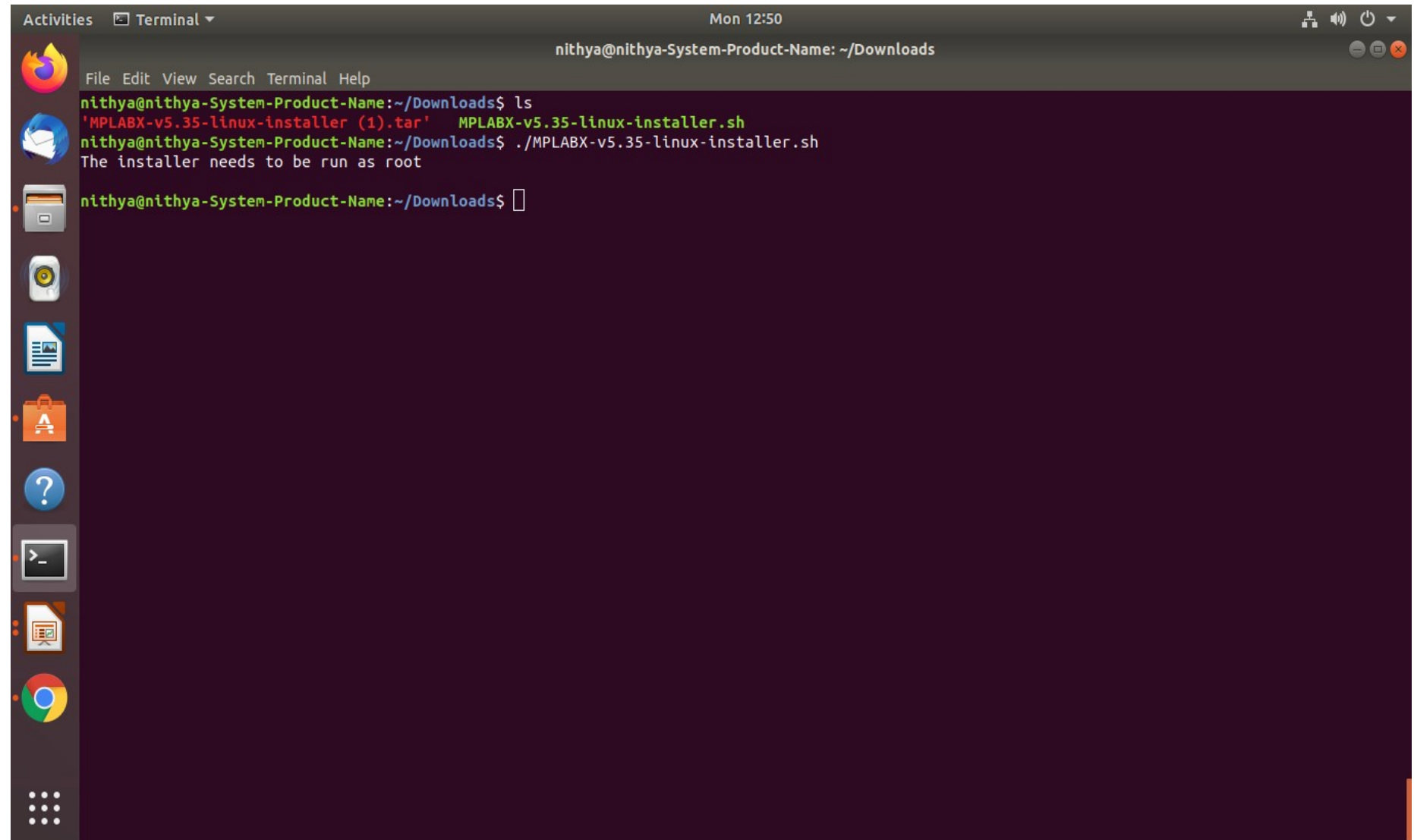-> After extracting it you will get .sh file.

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Installing MPLAB X IDE

-> Now you need to execute the script which you downloaded.

-> You cannot directly execute the file you need root access to execute this script.

Installing MPLAB X IDE

-> Execute with sudo command as shown in the figure.

-> Here some erros you see. It is showing some libraries are missing.
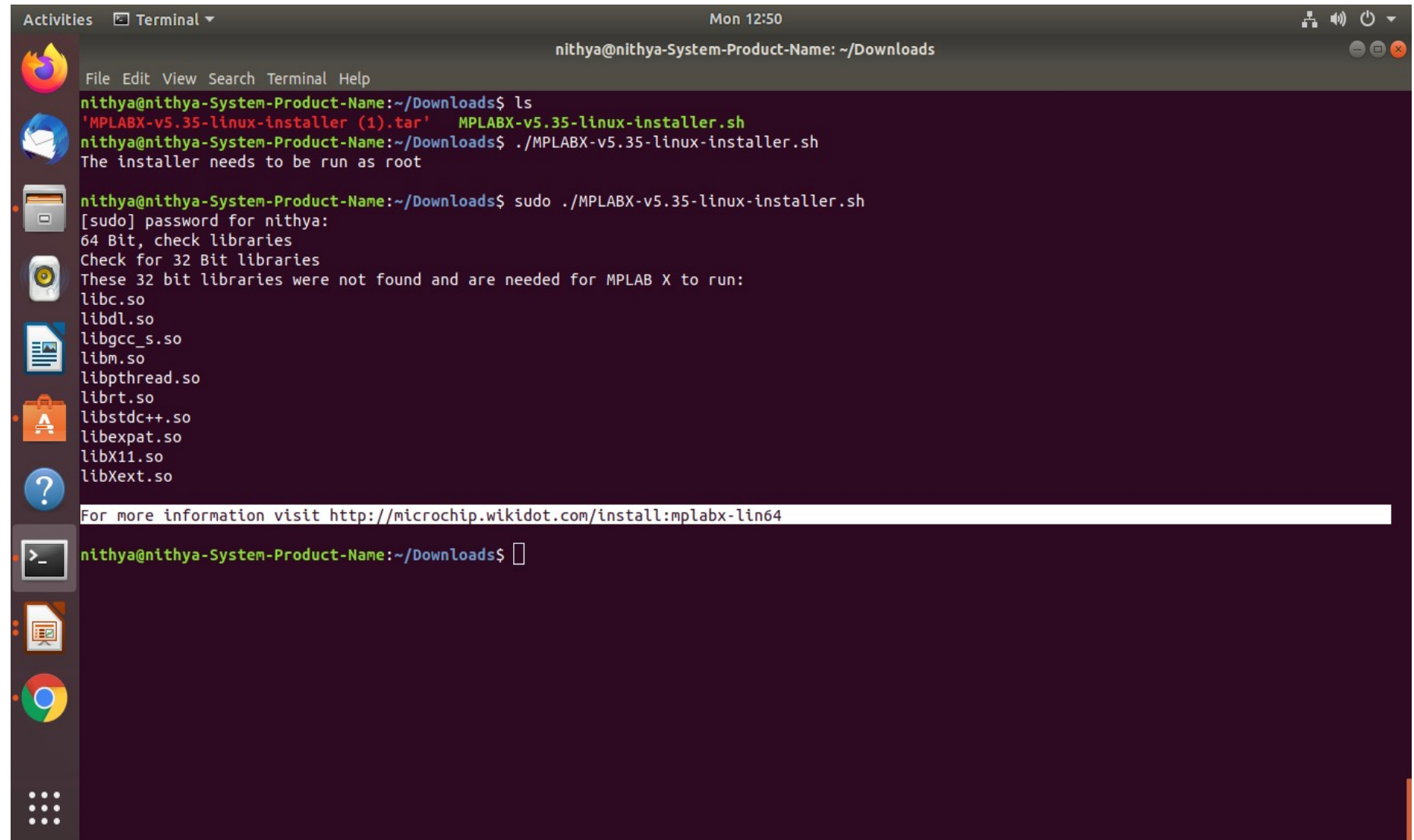
-> We need to install those libraries to install MPLAB X.

Installing MPLAB X IDE
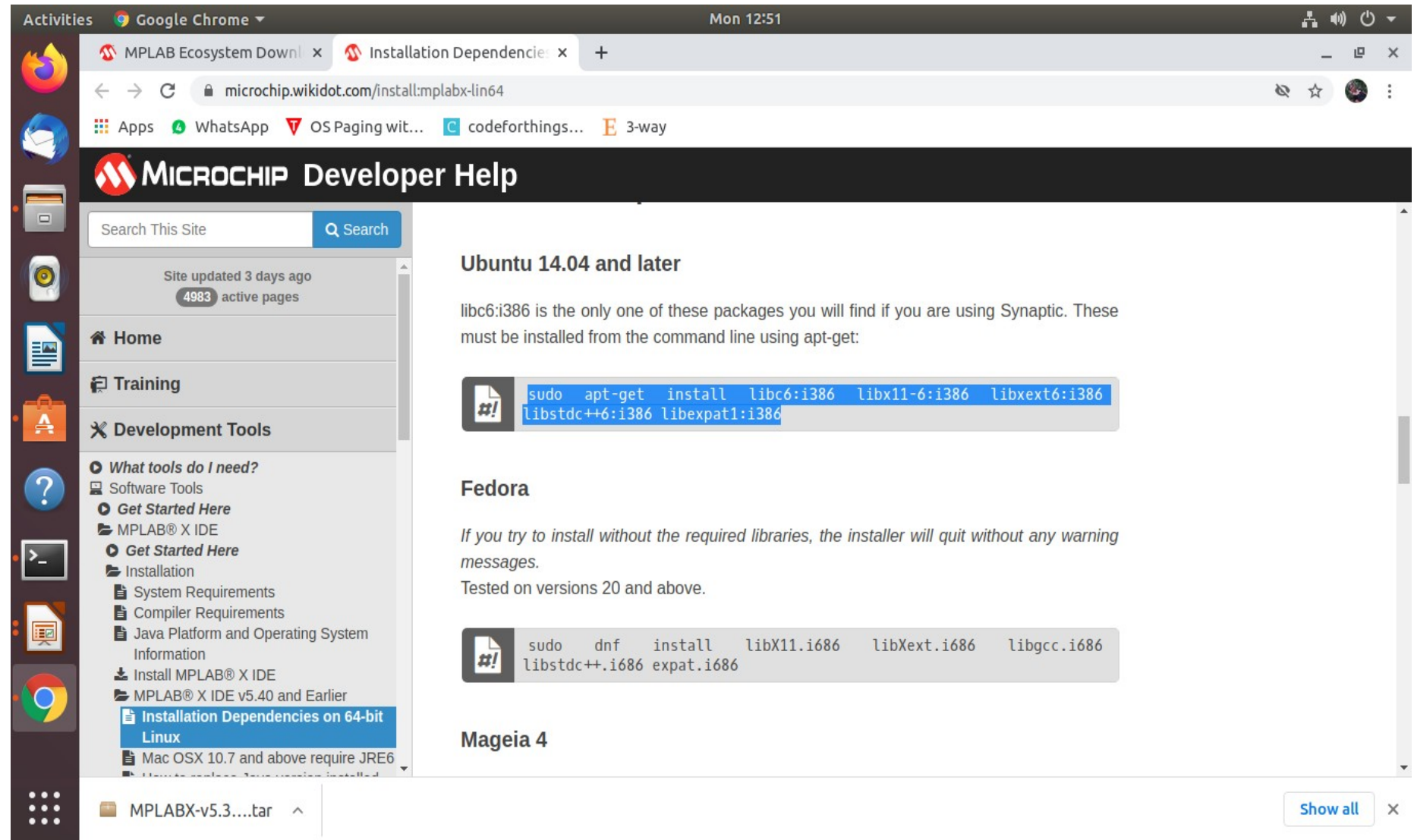
-> To install those libraries click on the website link.

Installing MPLAB X IDE

-> To install those libraries click on the website link.

-> Scroll down till reaching the command which selected in image.

-> Copy that command.
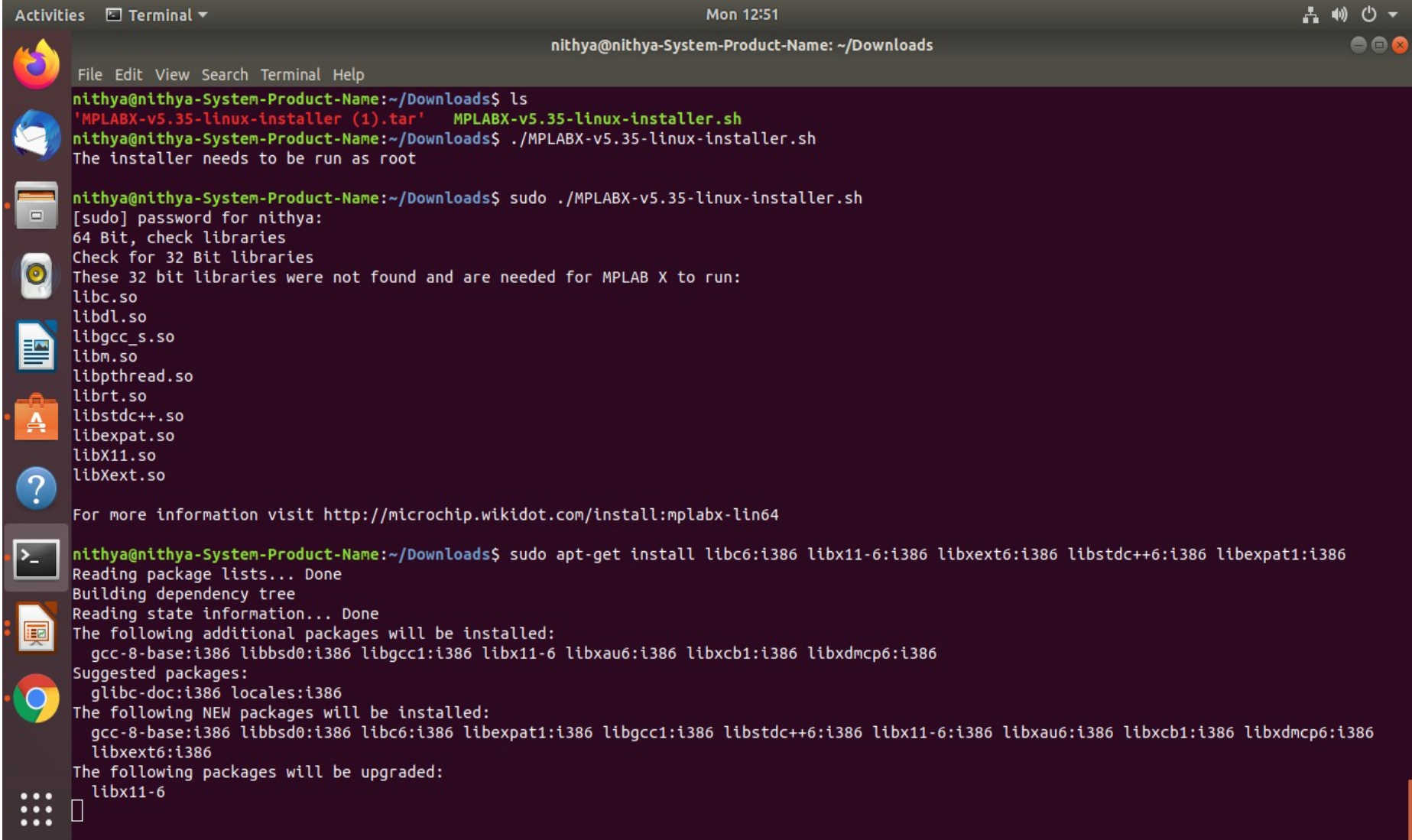
Installing MPLAB X IDE

-> Paste the copied command and press enter. It will start installing the missing libraries.
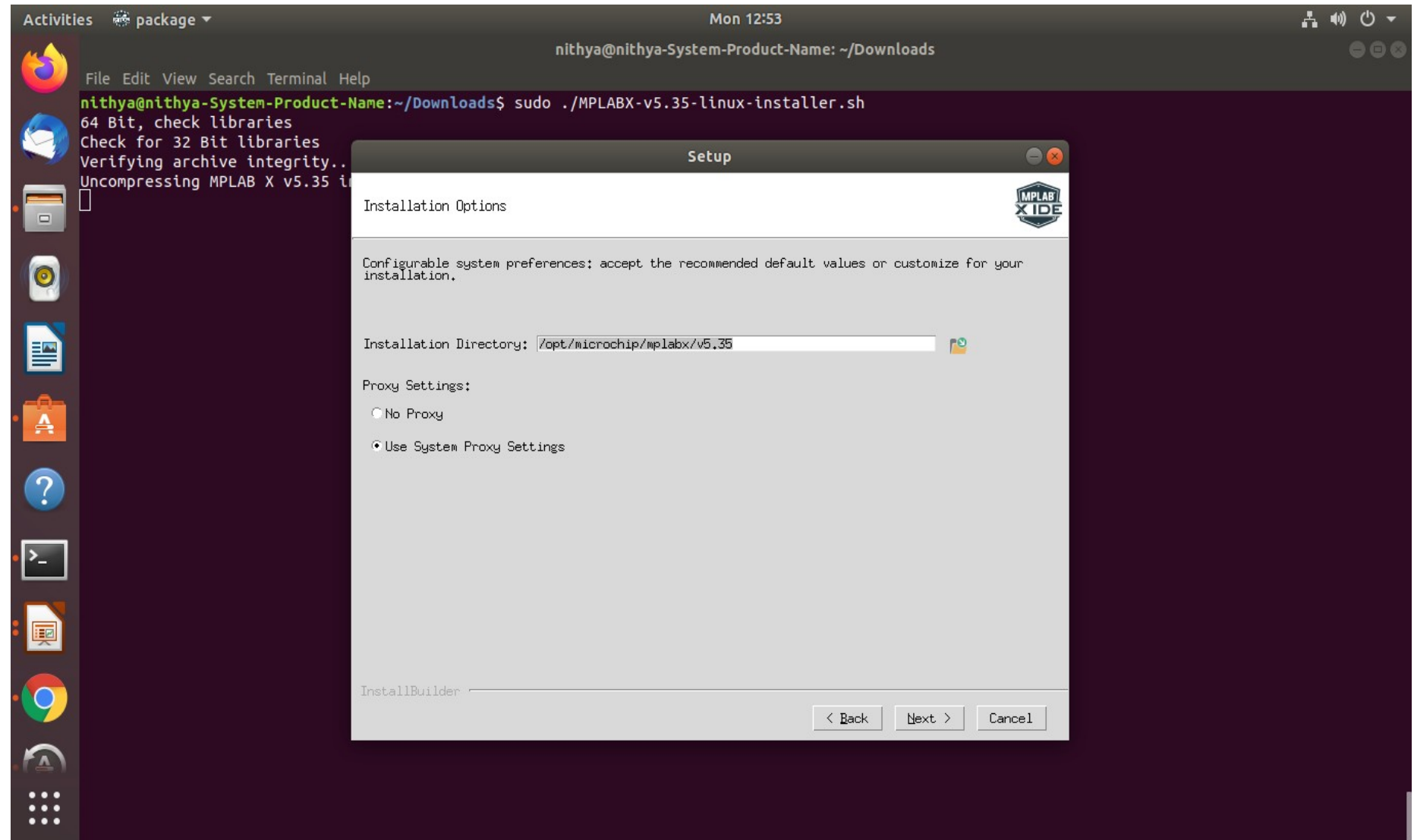
Installing MPLAB X IDE

-> After installing the libraries run the script.

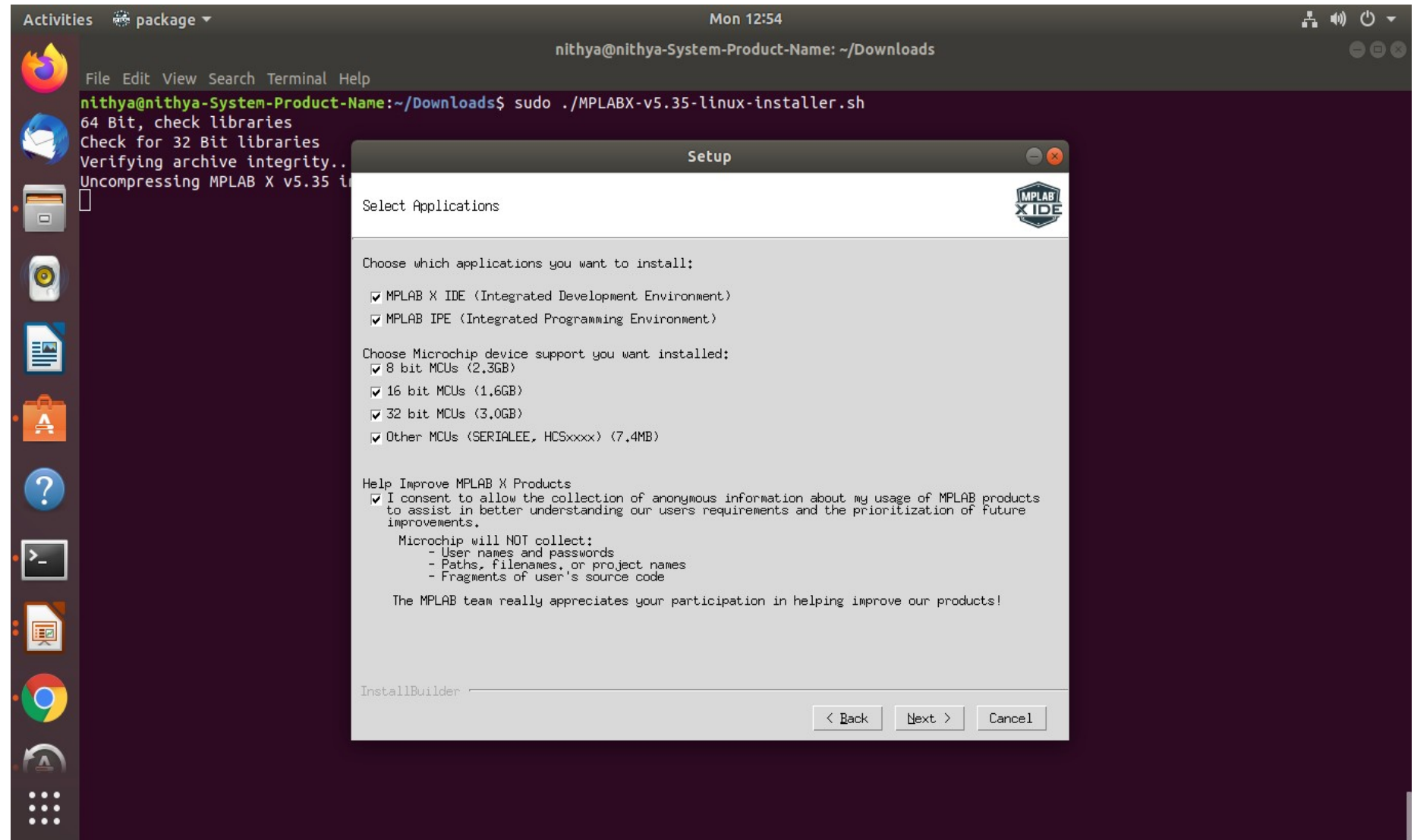-> Dialog box will open. Click on next.
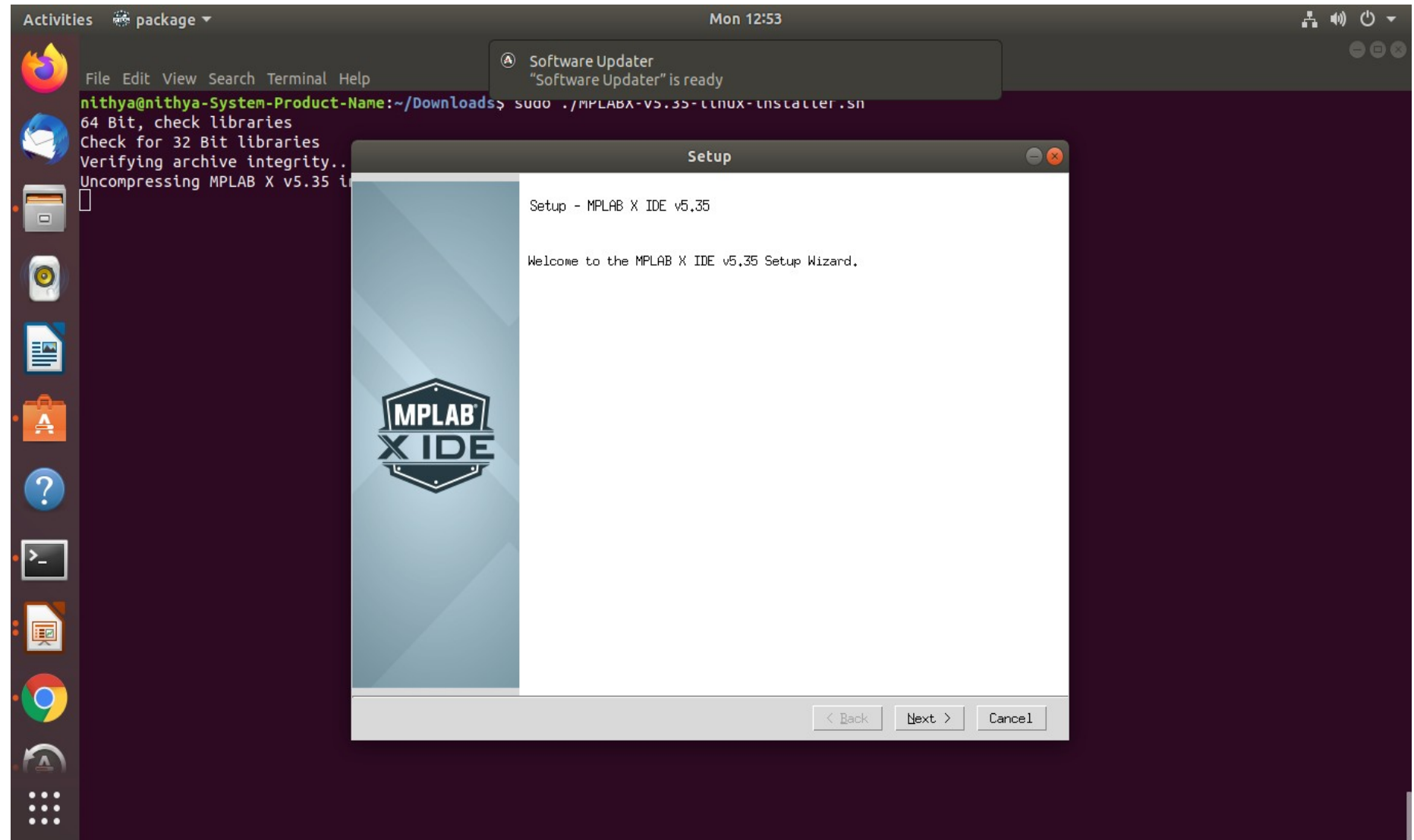
Installing MPLAB X IDE

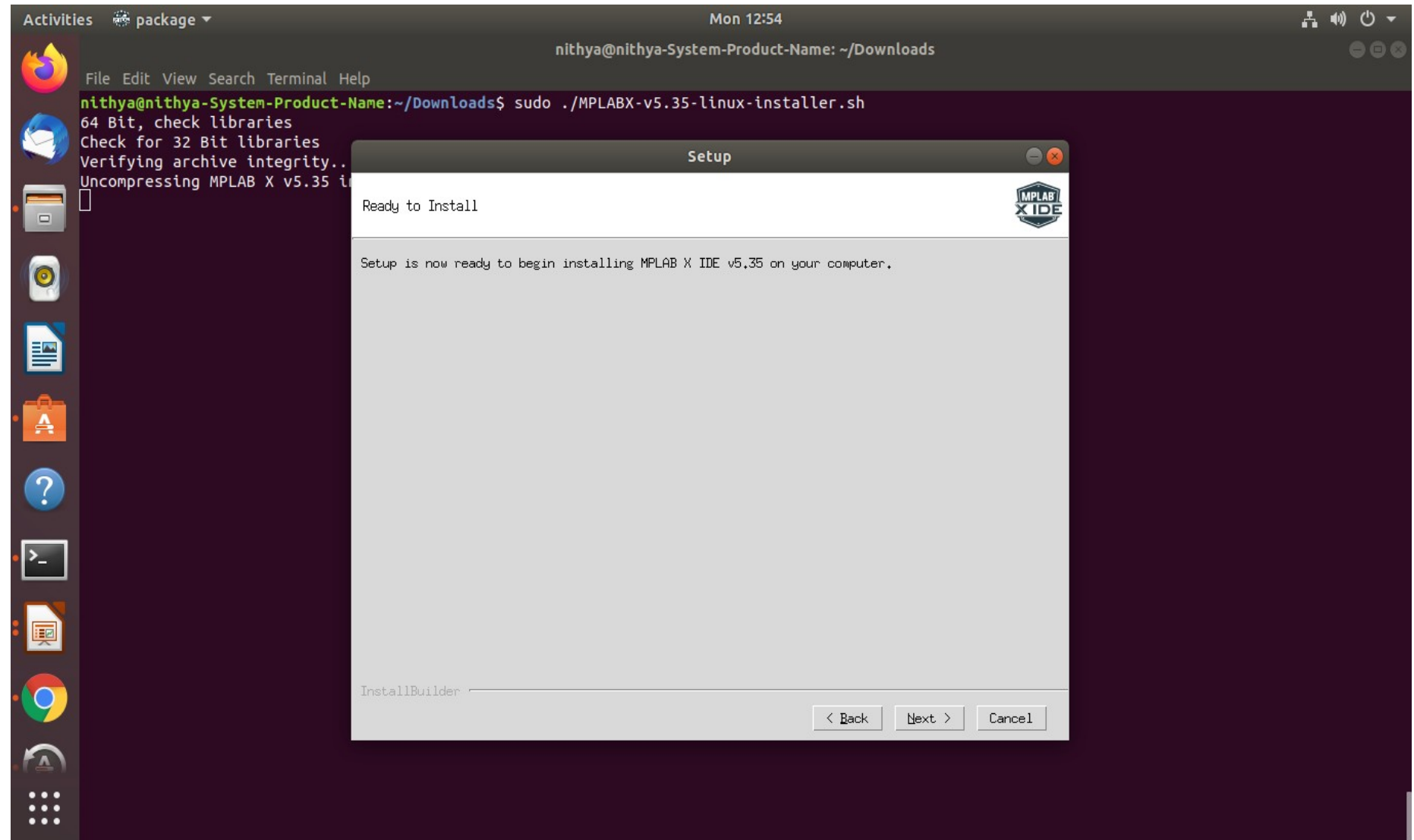-> No need to change anything here. Just click on next.

Installing MPLAB X IDE

-> If enough memory is available to install for all bits (8, 16, 32) then select all, otherwise select only 8-bit MCUs. Click on next.
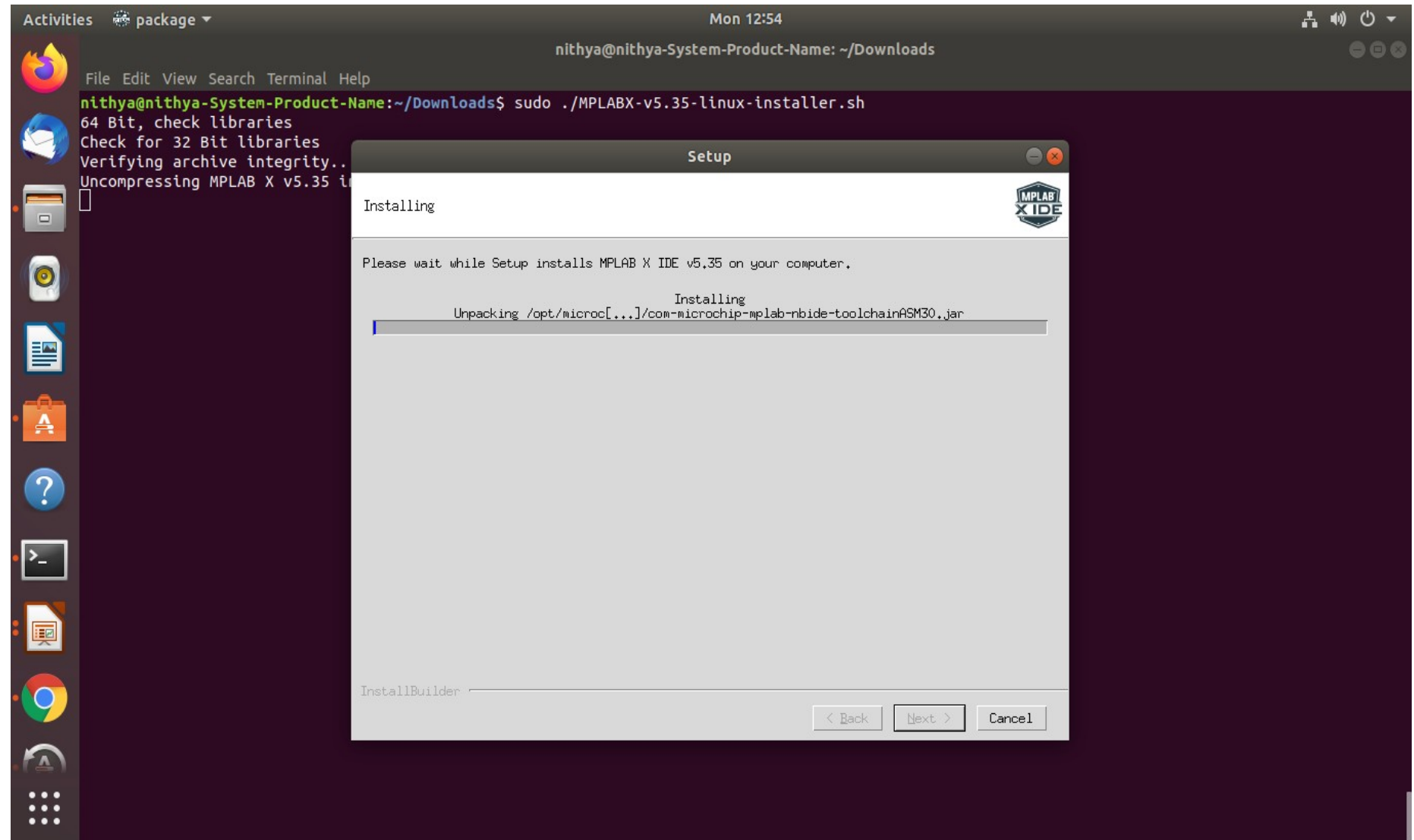
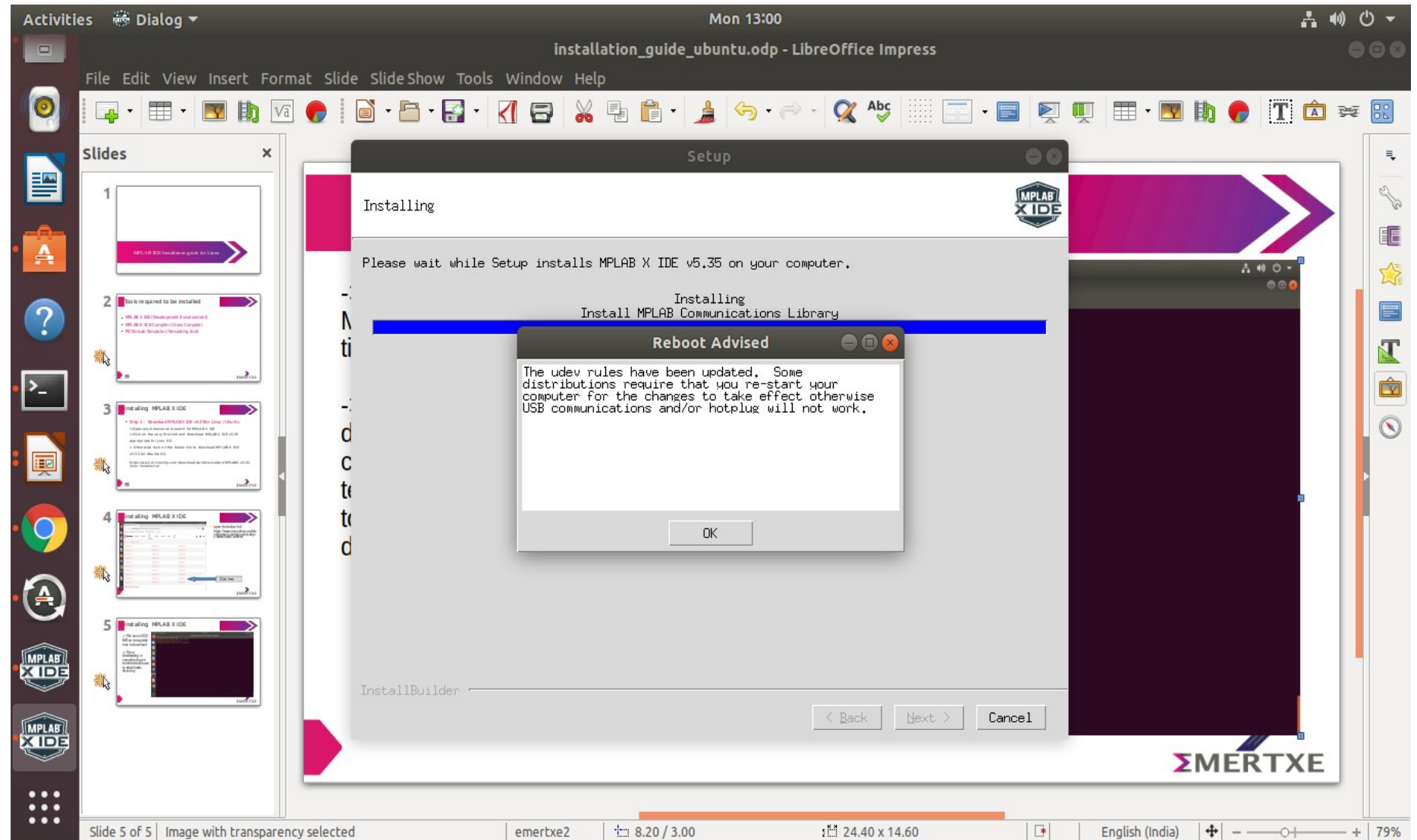# Installing MPLAB X IDE

-> Click on next.

Installing MPLAB X IDE
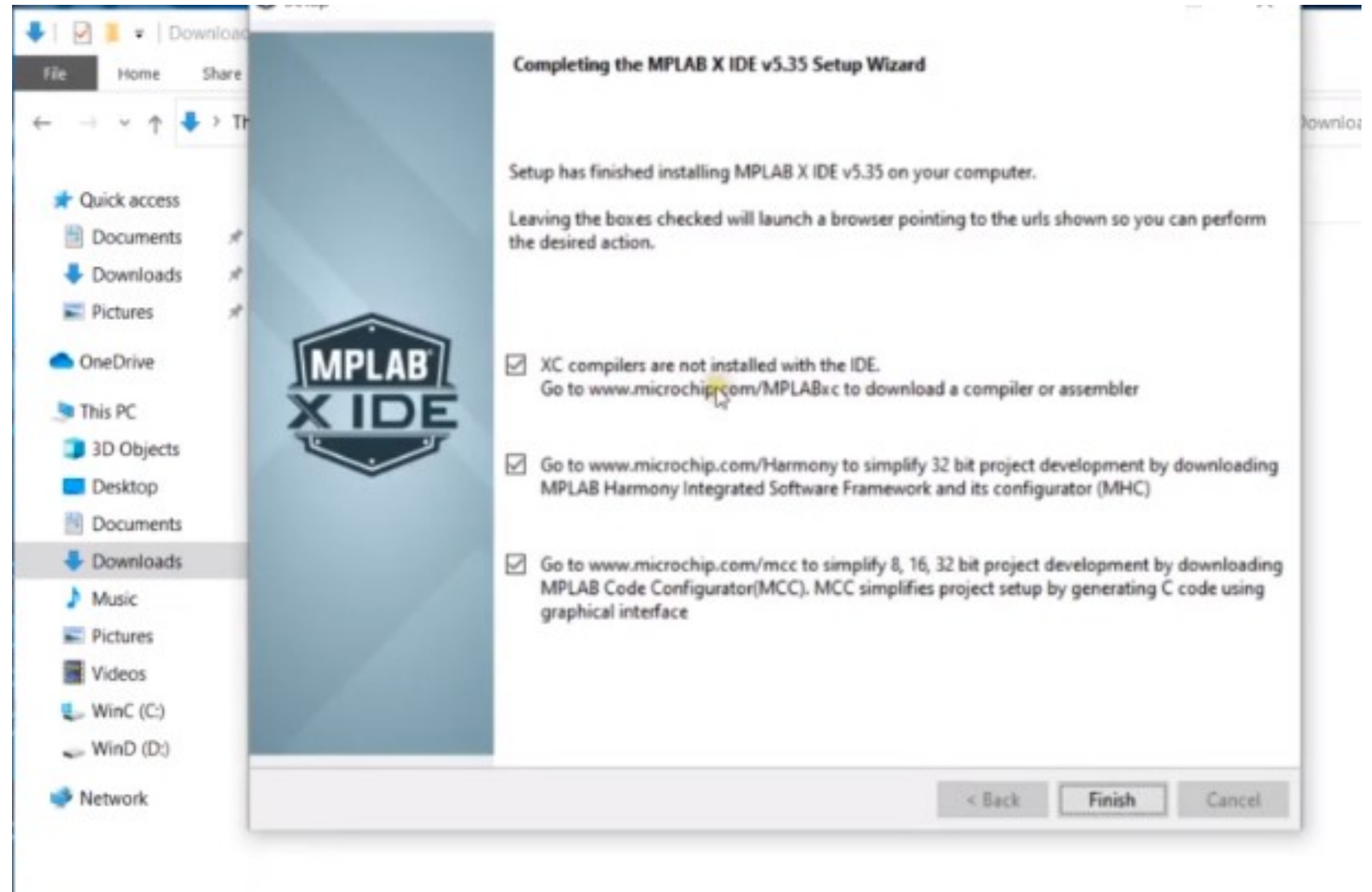
-> It started installing MPLAB X IDE v5.35

Installing MPLAB X IDE

-> It will ask to reboot the device click on OK.

Installing MPLAB X IDE

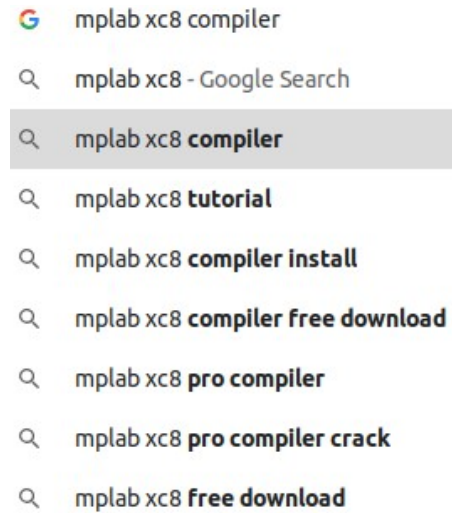-> Click on Finish.
Installation
success.

MPLAB XC Compiler Installation

Installing XC8

-> Open any browser and search for XC8 complier

G   mplab xc8 compiler

Q   mplab xc8 - Google Search

Q   mplab xc8 **compiler**

Q   mplab xc8 **tutorial**

Q   mplab xc8 **compiler install**

Q   mplab xc8 **compiler free download**

Q   mplab xc8 **pro compiler**

Q   mplab xc8 **pro compiler crack**

Q   mplab xc8 **free download**

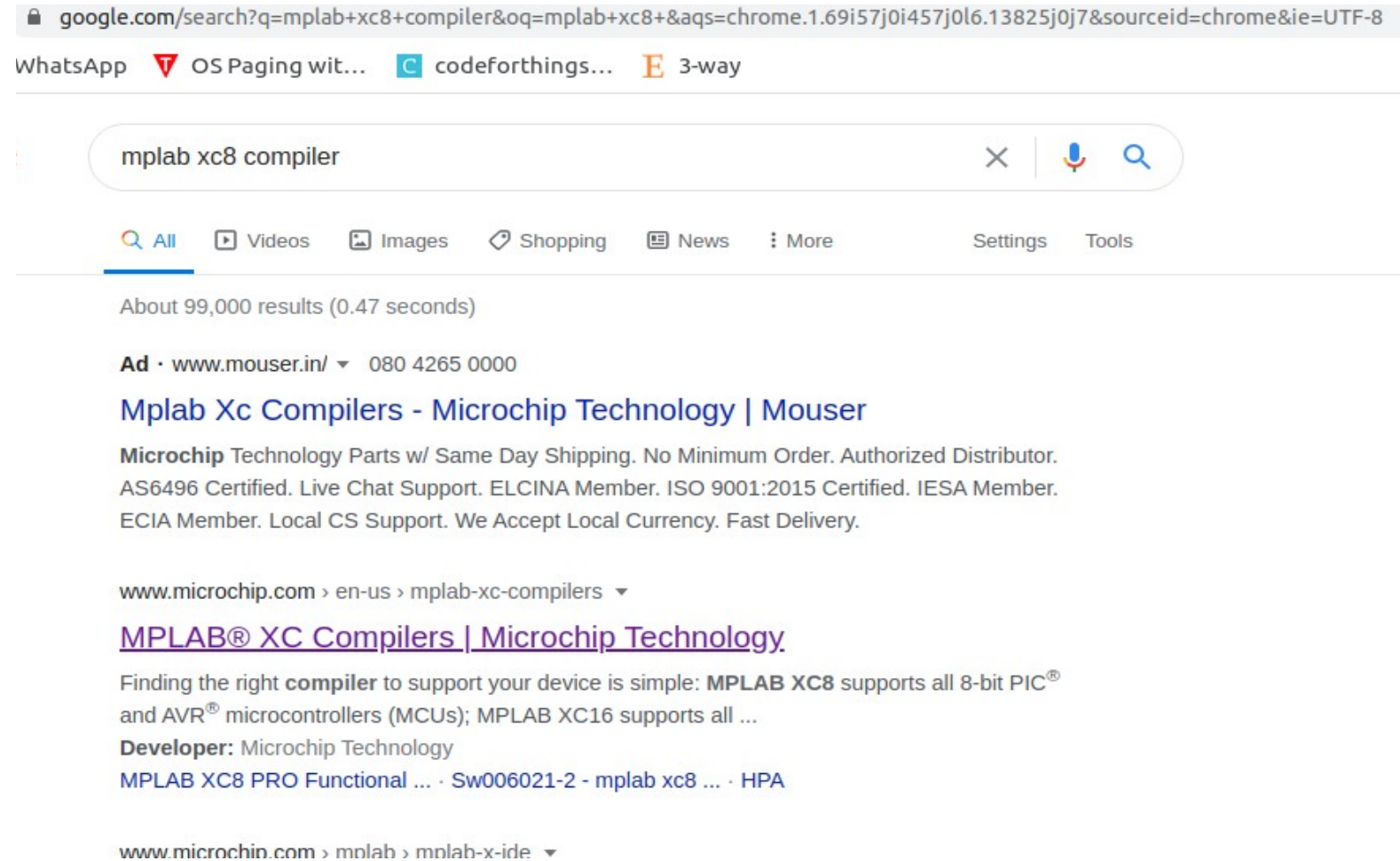Q   Search Google or type a URL

OK — OK
Emertxe
Aladdin
codeforthings
TalentLMS

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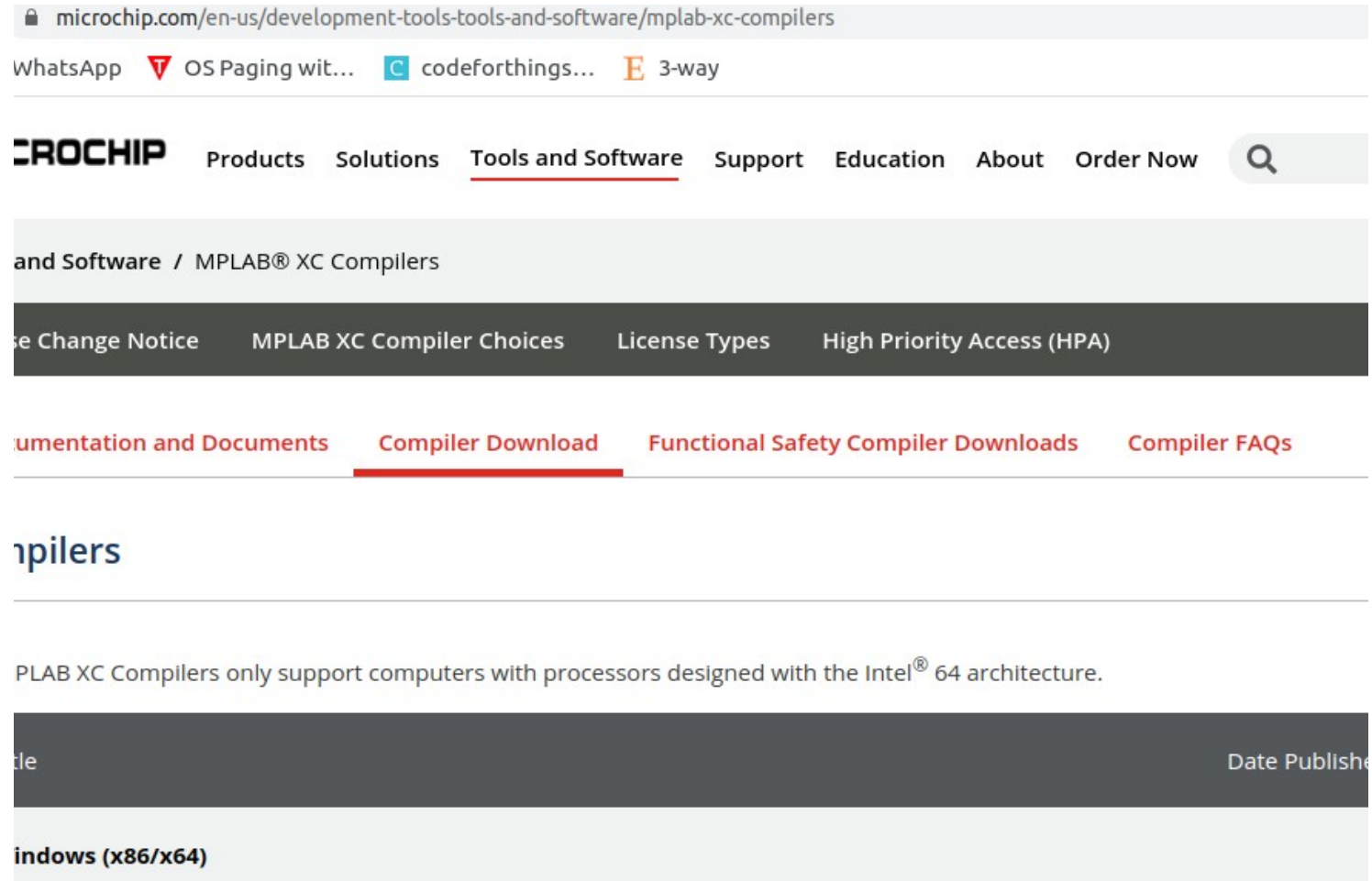
Installing XC8

-> Open any browser and search for XC8 complier

-> Click on the link shown in the figure.

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Installing XC8

-> Scroll down till reaching the downloads which shown in the figure.

Installing XC8

-> Select compiler download.

Installing XC8

-> Open terminal and move to downloads directory.

Installing XC8
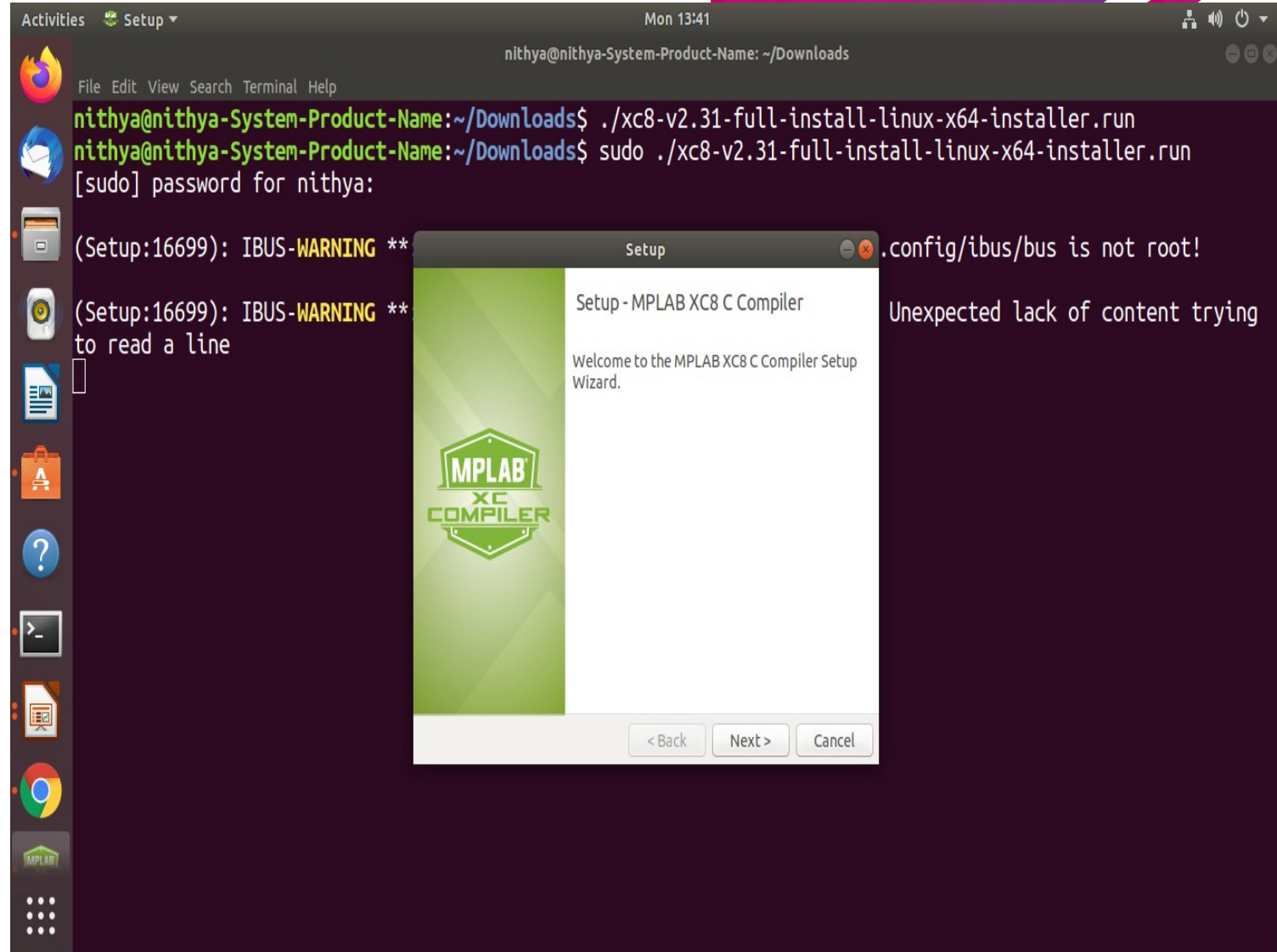
-> Add executable permission for xc8 compiler.

Installing XC8

-> Execute the .run file.

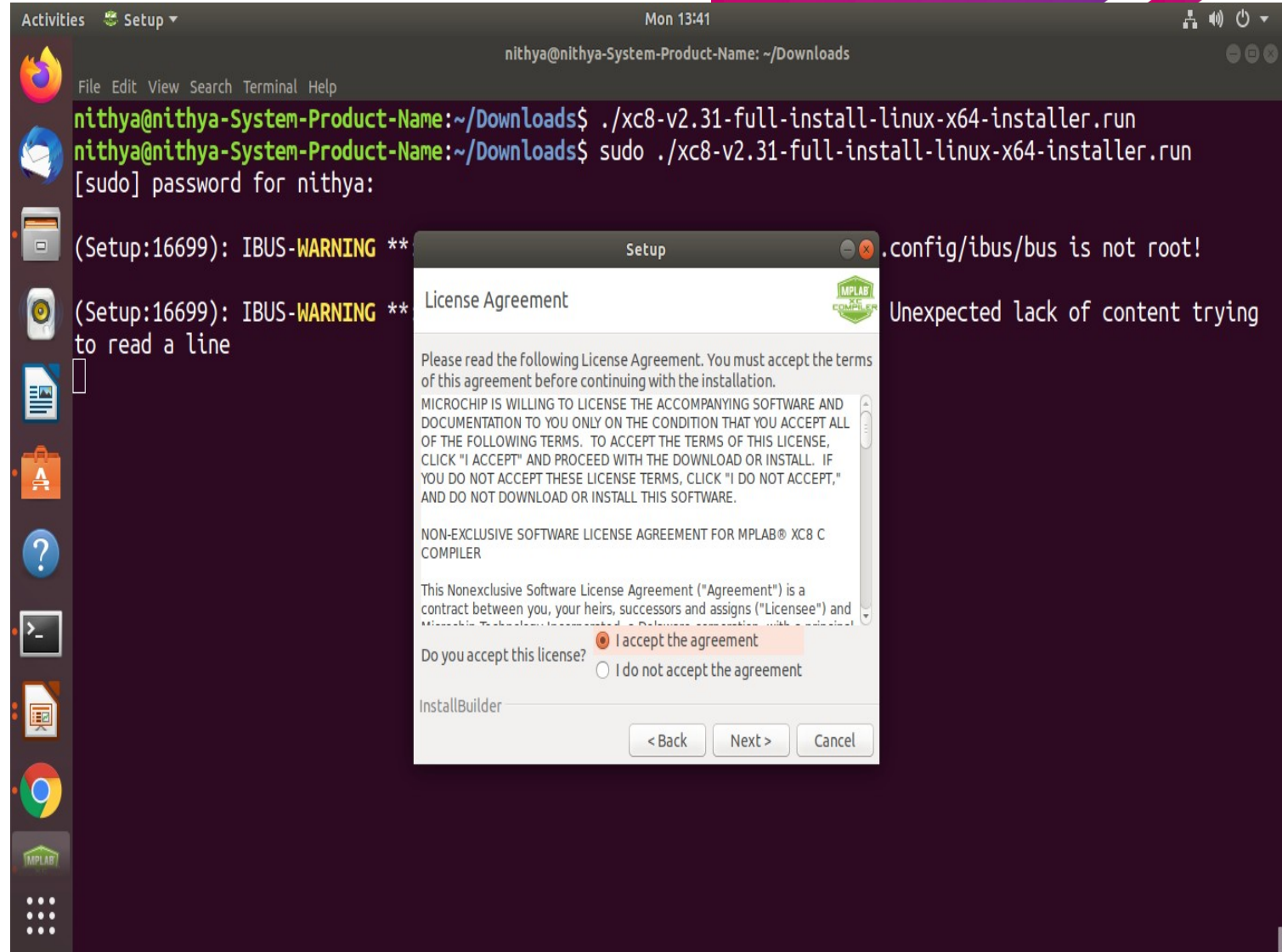-> If you execute without sudo you will get error as shown in the figure.
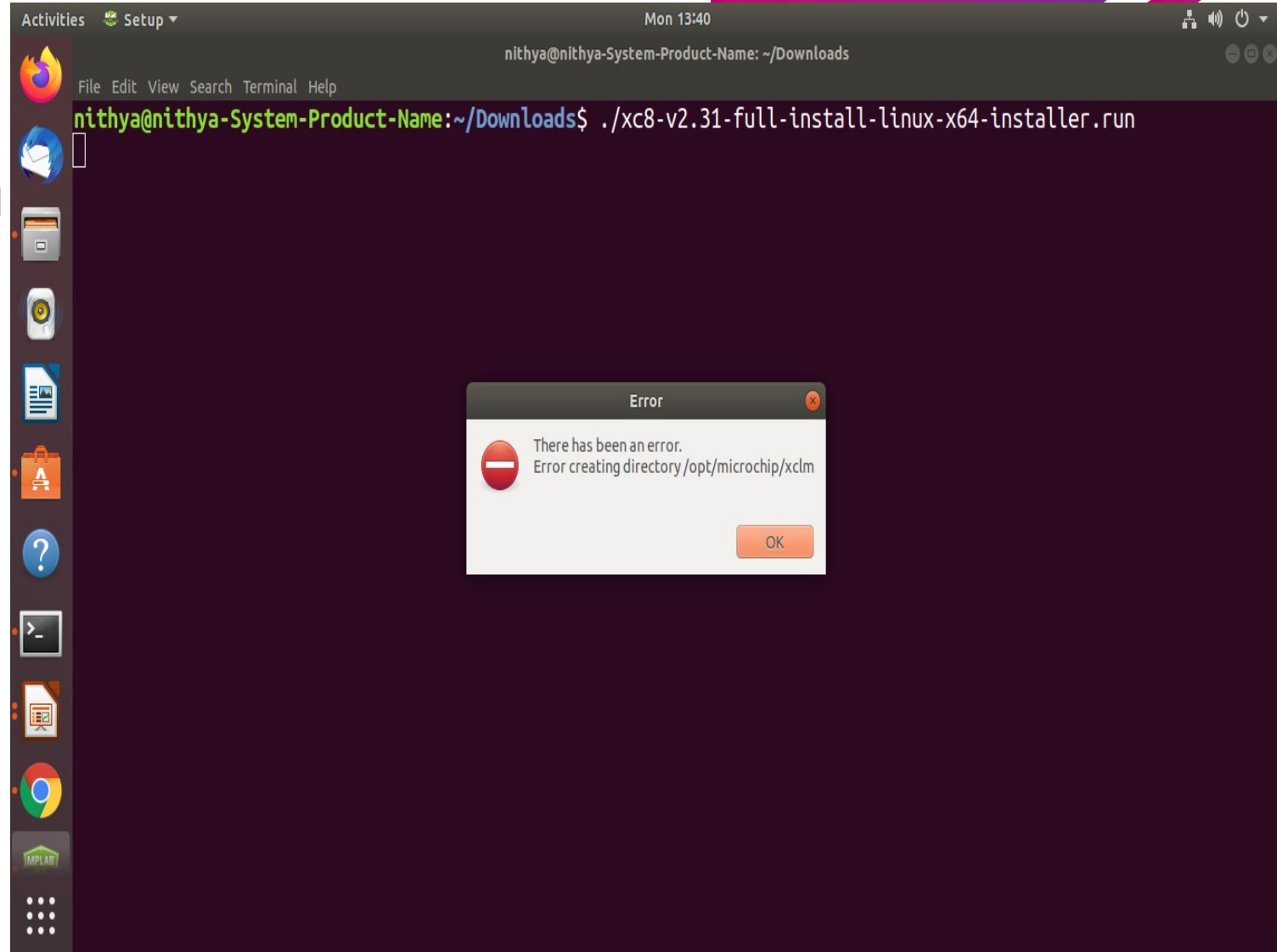
Installing XC8

-> Add sudo and execute the .run file.

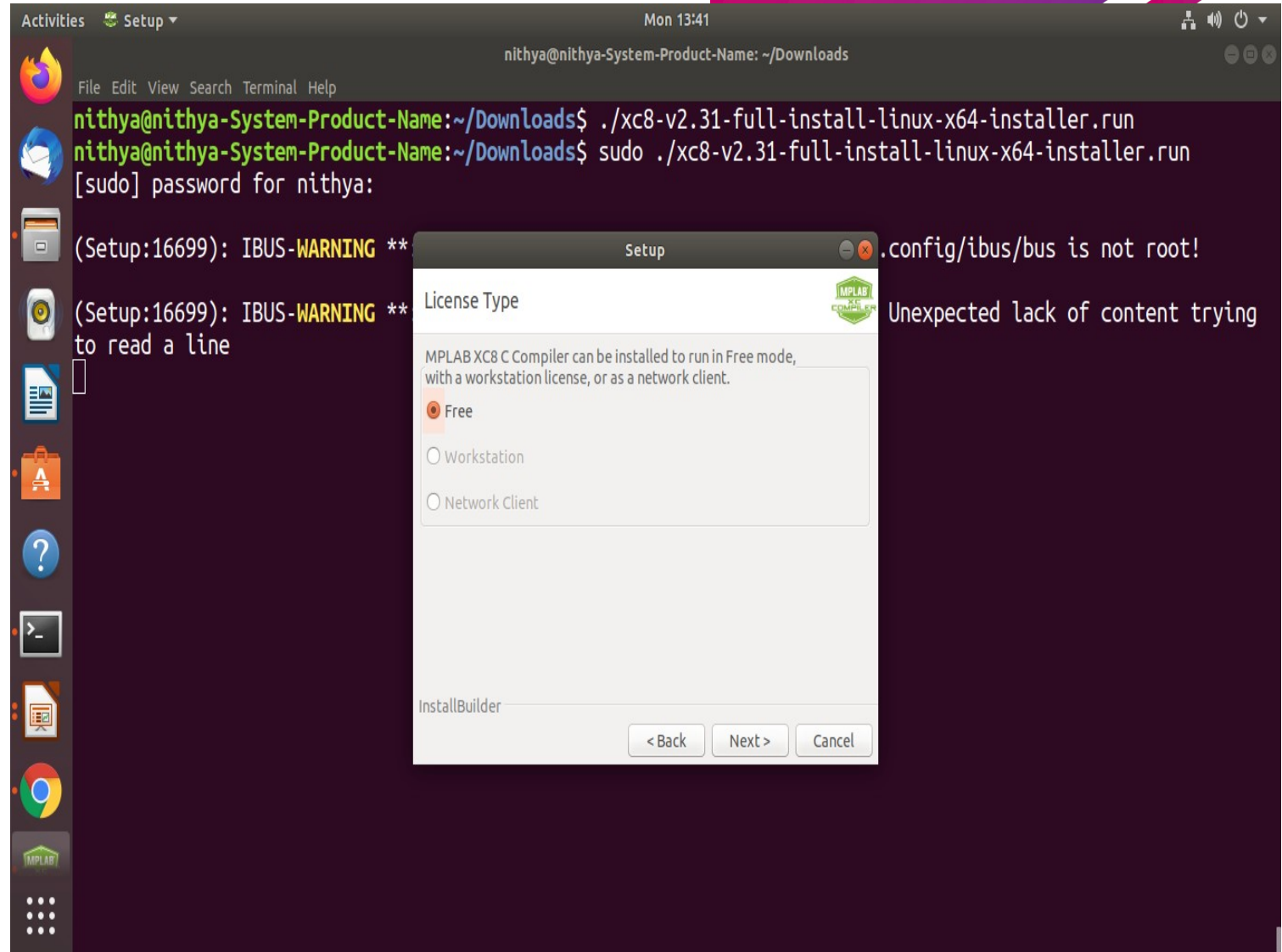-> Dialog box will open and click on next.

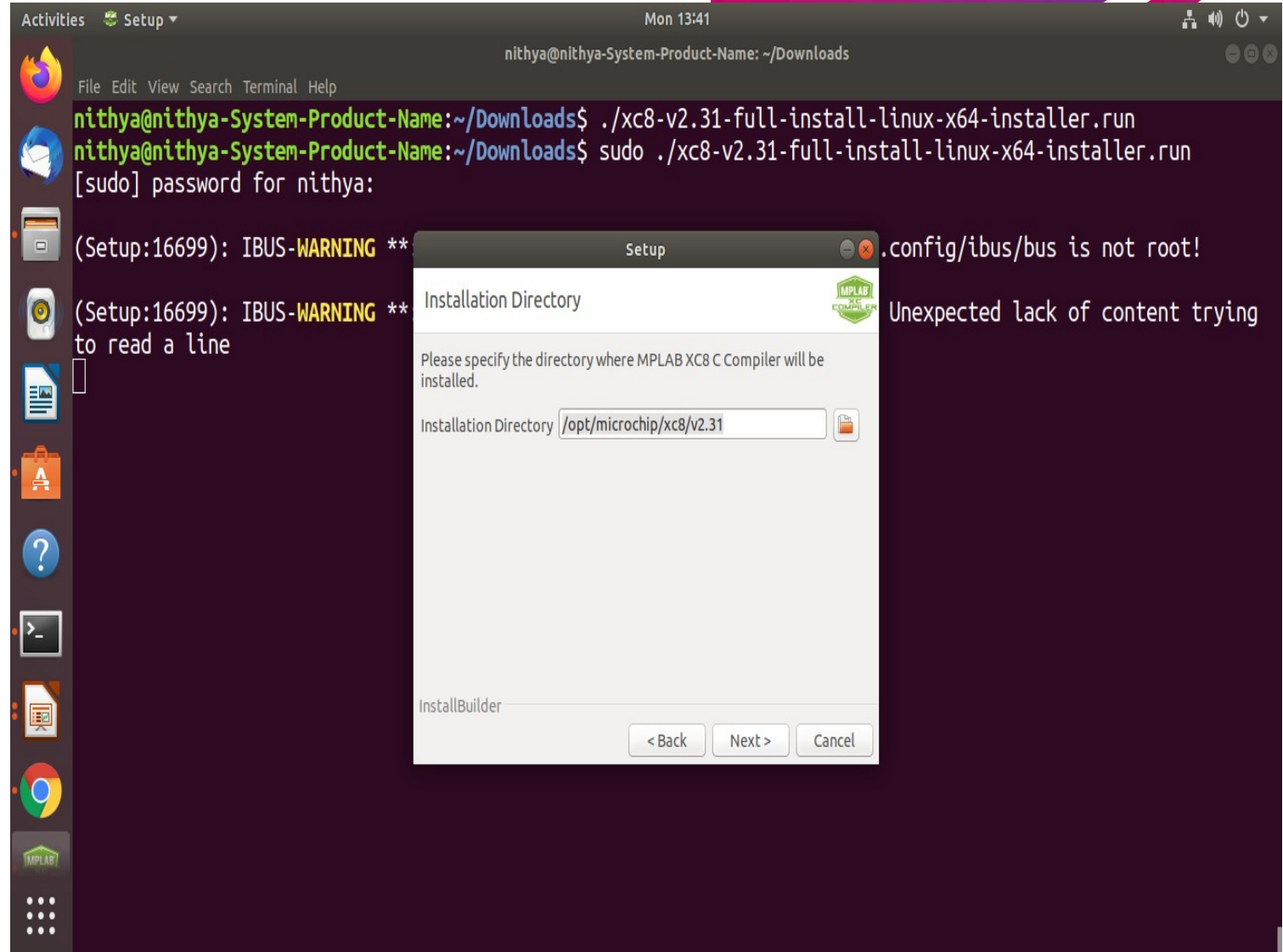# Installing XC8

-> Accept the agreement.
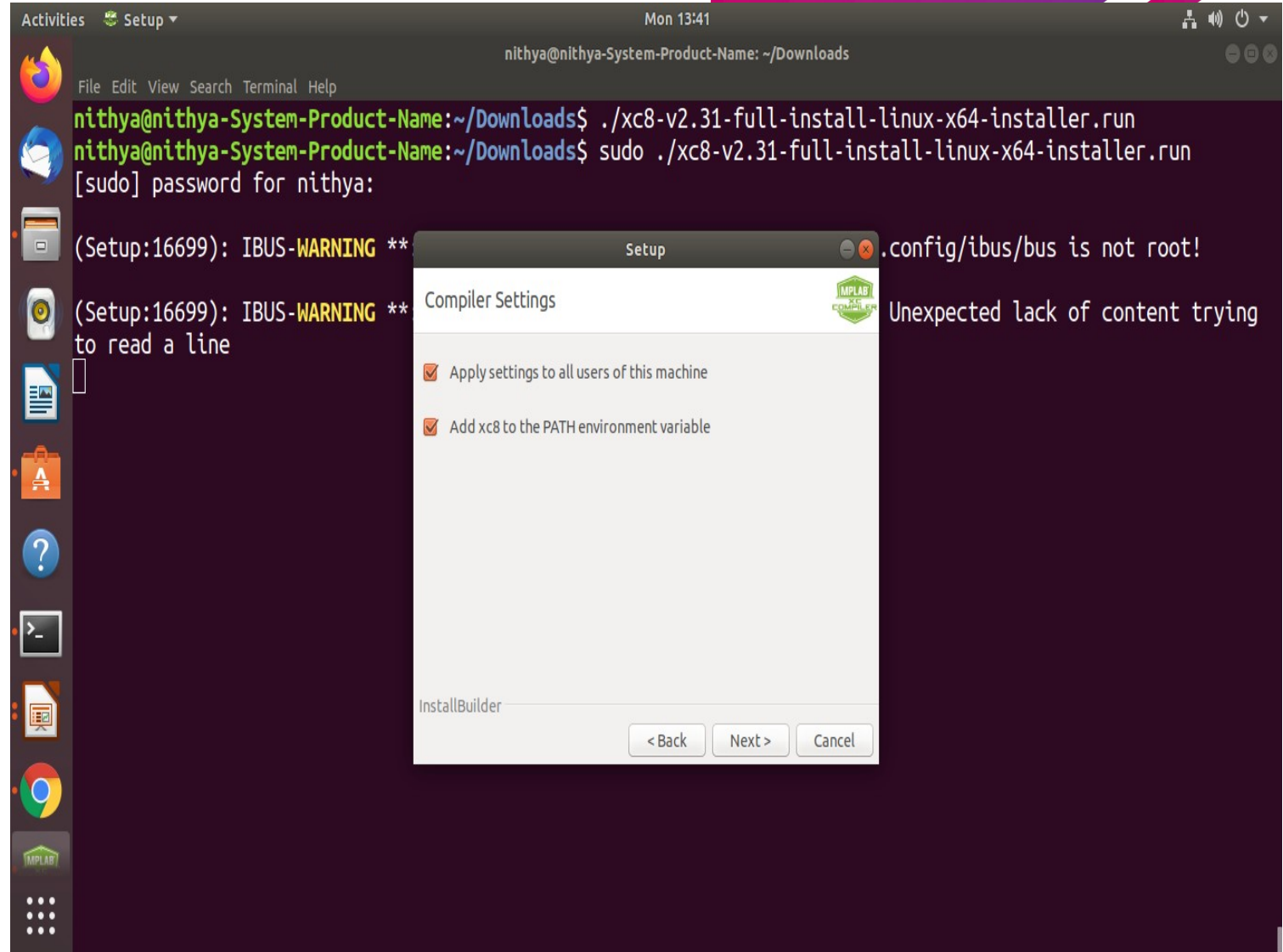
Installing XC8

-> Click on next.
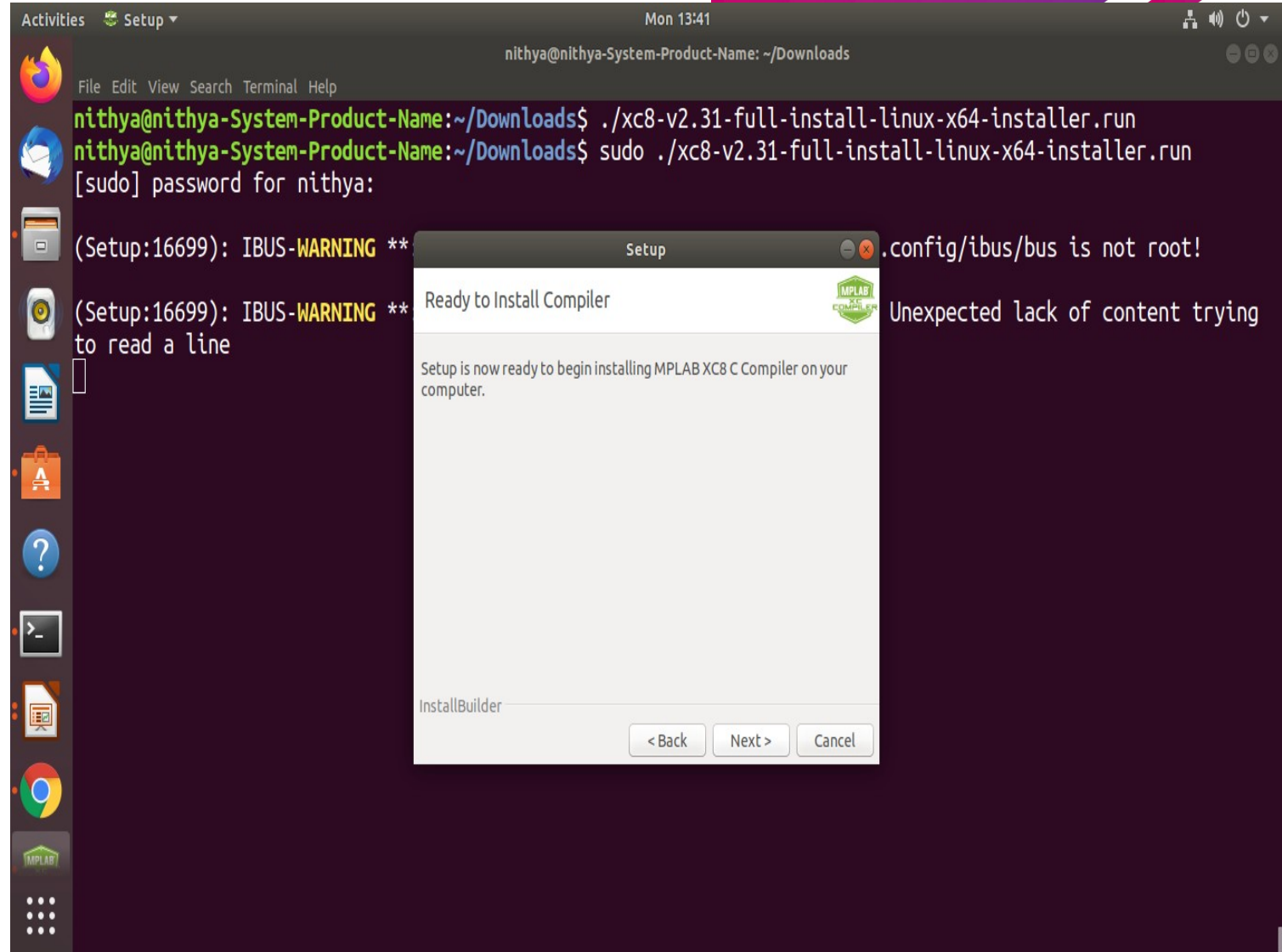
Installing XC8

-> Click on next.

Installing XC8
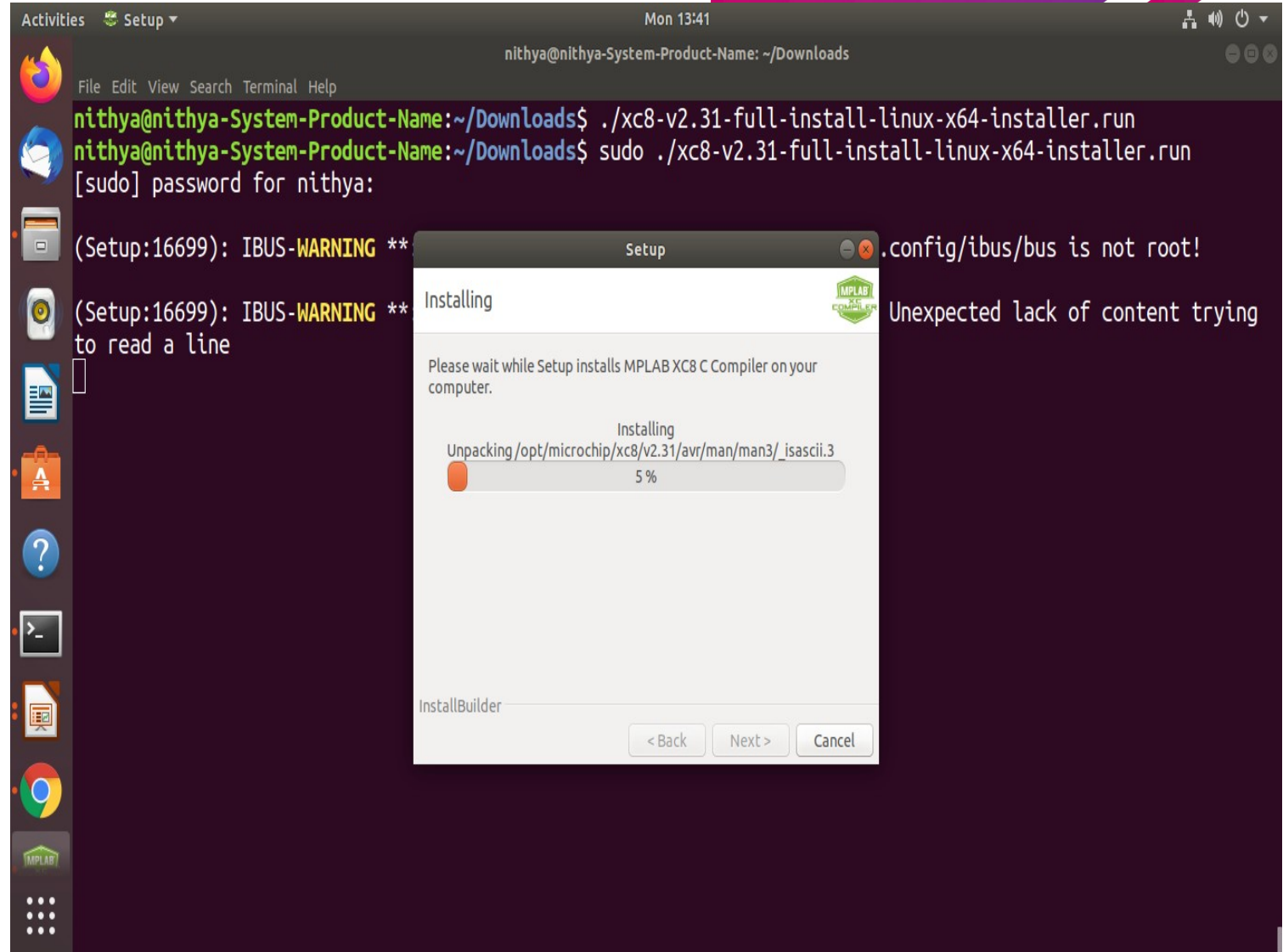
-> Select both.

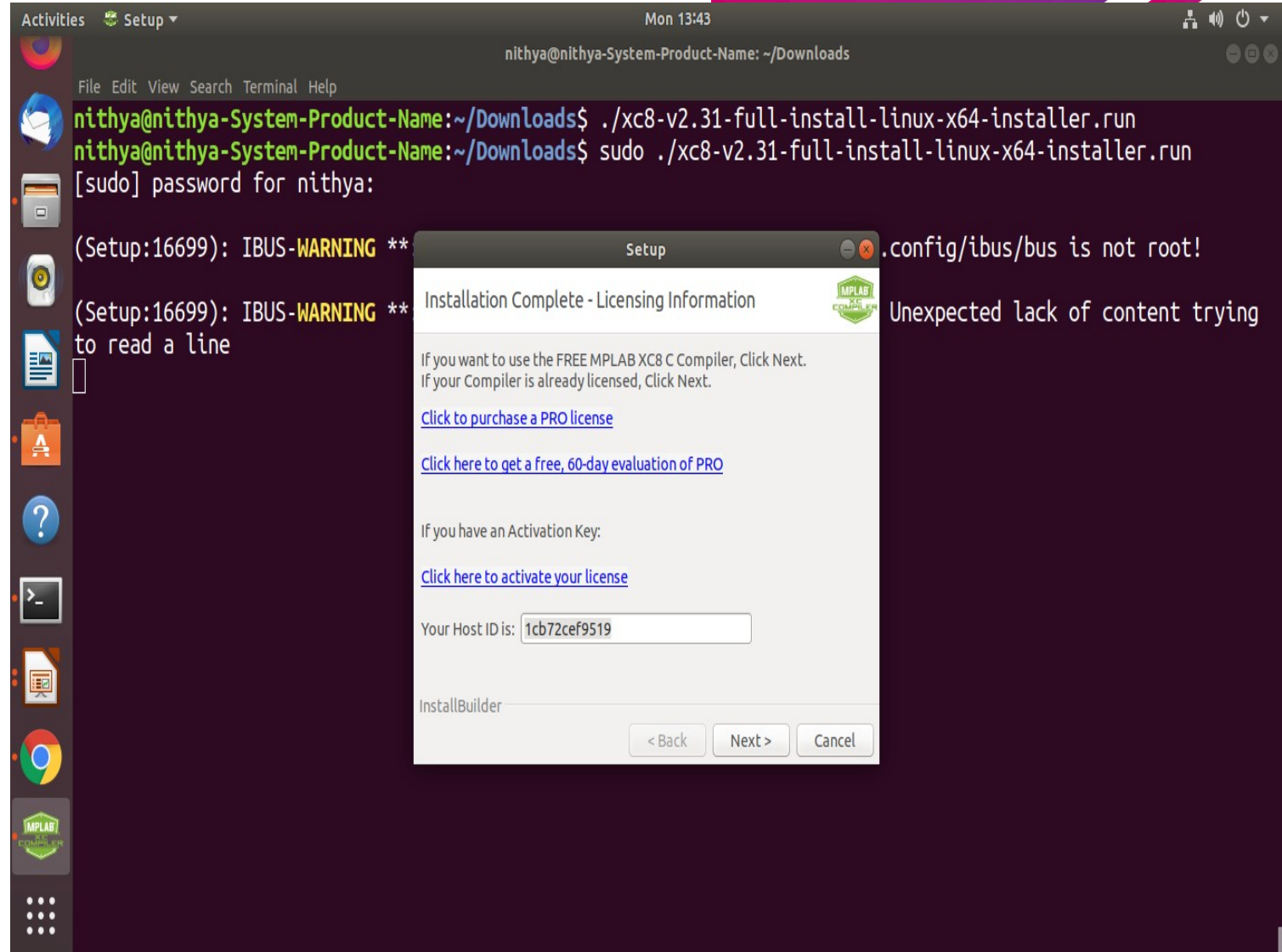-> Click on next.

Installing XC8

-> Click on next.

Installing XC8

-> Started installing.

Installing XC8
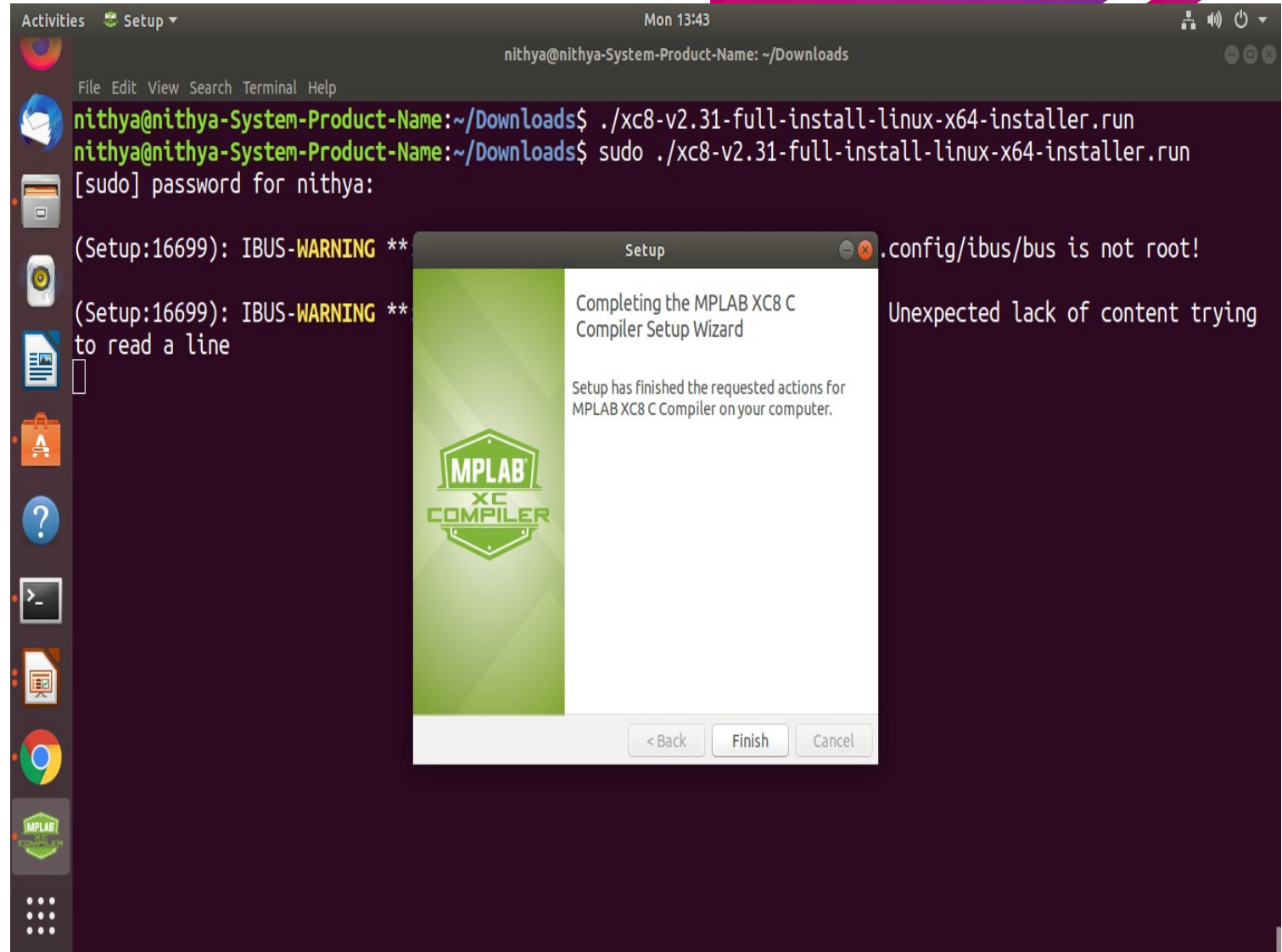
-> Click on next.

Installing XC8

-> Click on Finish. Compiler installed successfully.

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