Microcontroller

Team Emertxe

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 v5.35

  >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 windows OS.

  http://ww1.microchip.com/downloads/en/DeviceDoc/MPLAB X-v5.35-windows-installer.exe

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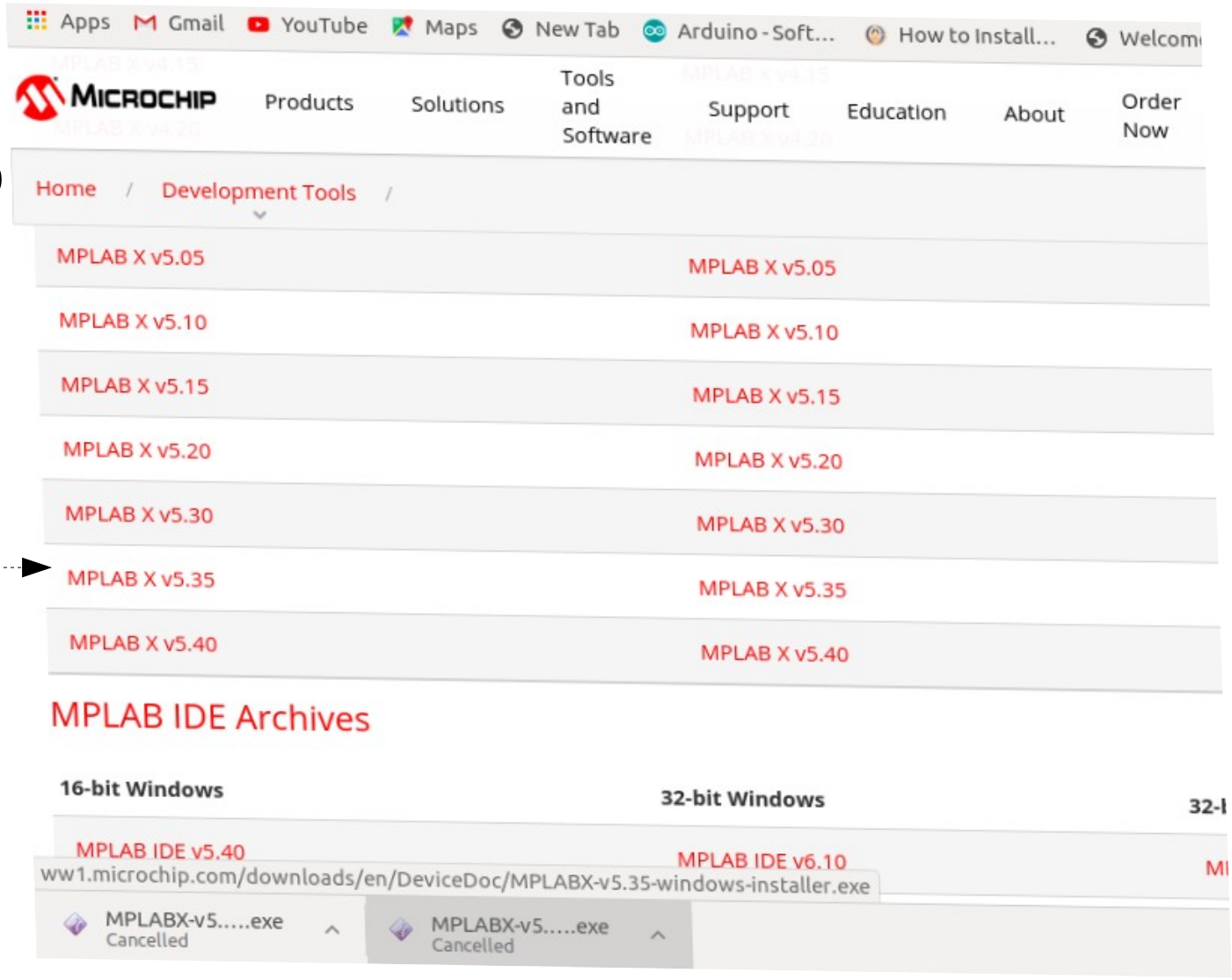
Installing MPLAB X IDE

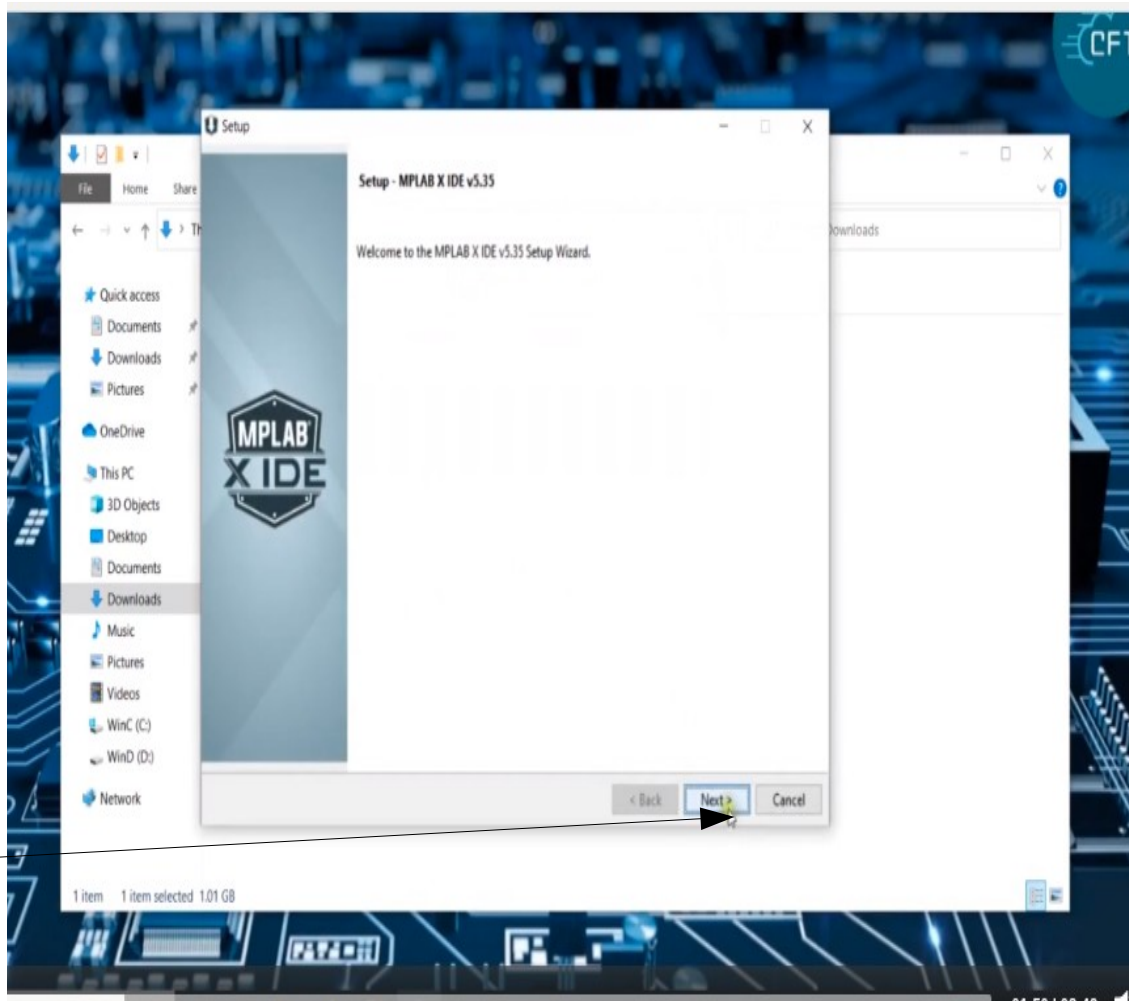
- open the below link https://www.microchip.com/development-tools/pic-and-dspic-downloads-archive

Click here



Installing MPLAB X IDE

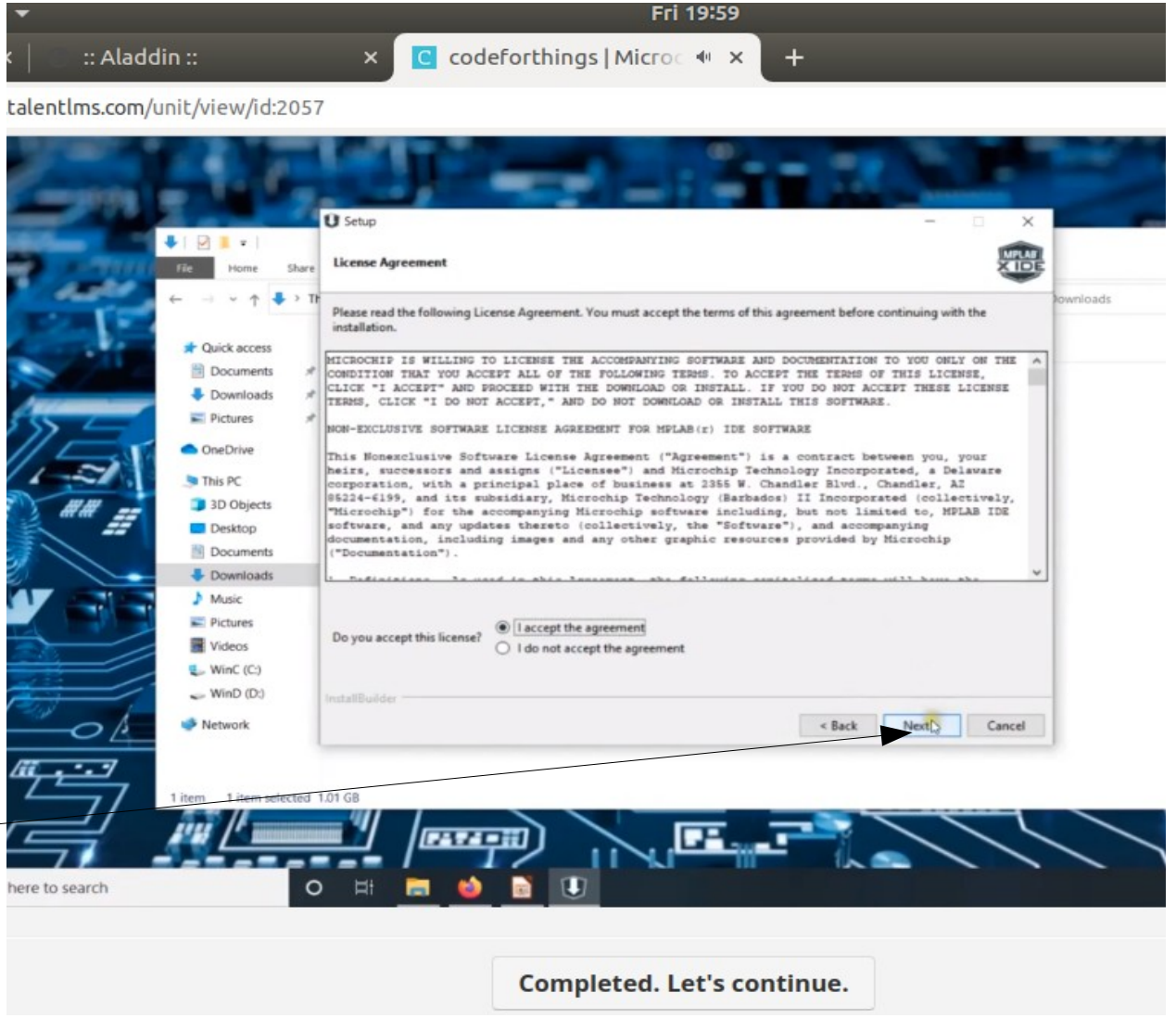
-> File size is 1.01 GB so it may take time to download
-> Once dowloading is completed open the file from download directory
-> Click on next



Click on next

Installing MPLAB X IDE

-> Accept the agreement and next



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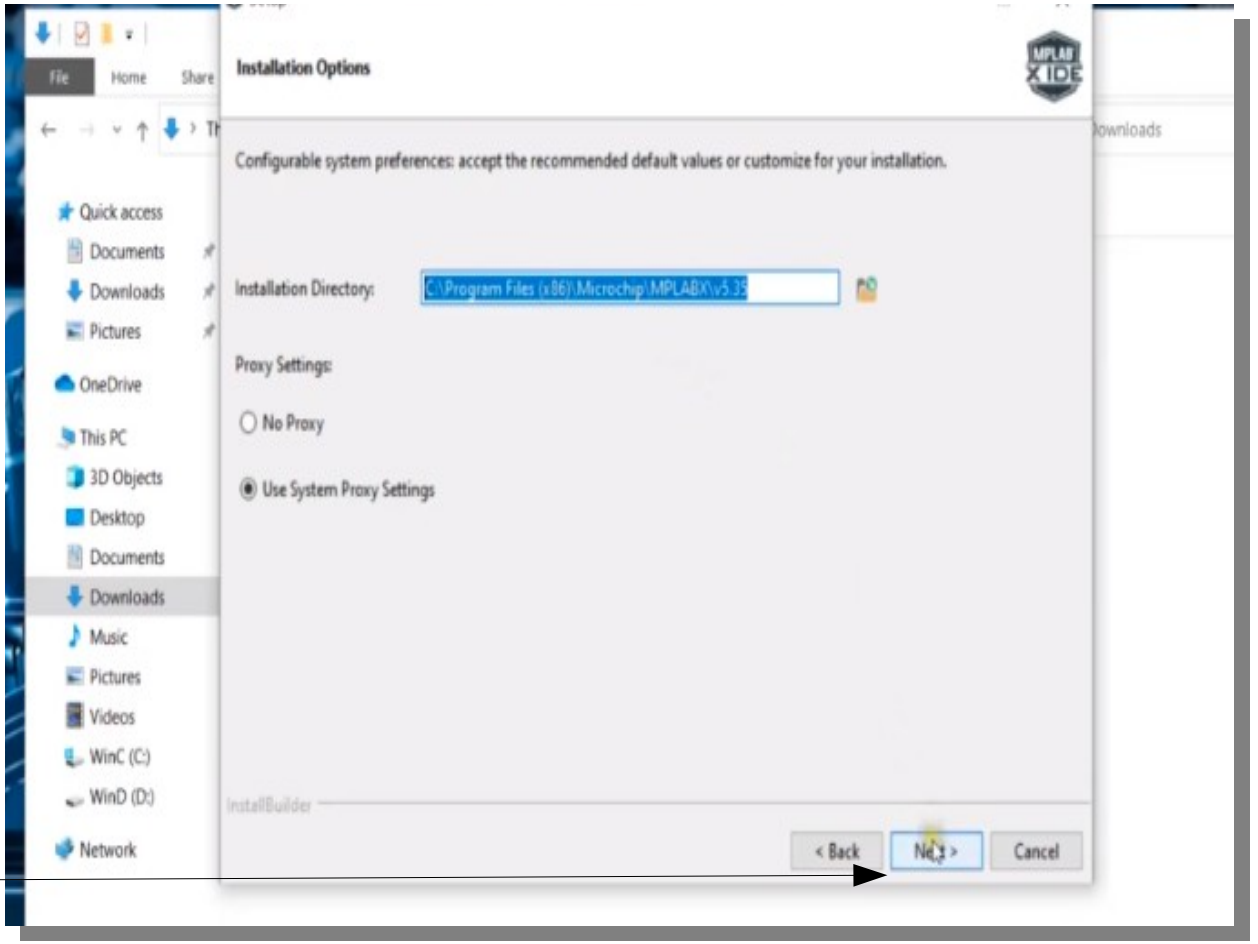
Installing MPLAB X IDE

-> Dont change anything here



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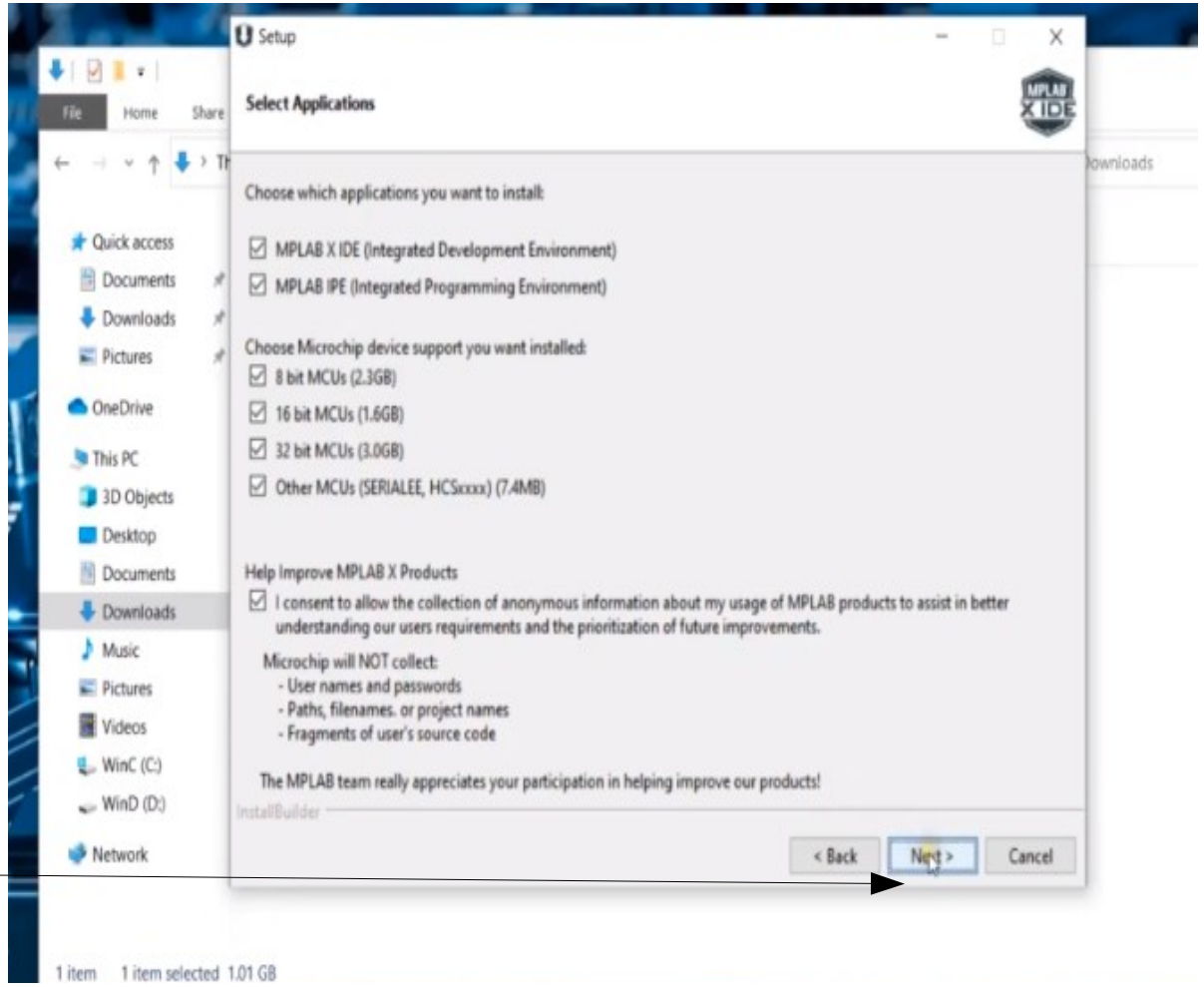
Installing MPLAB X IDE

-> If 13GB memory is available in C disk need not change anything here.
-> If memory is not available then select only 8 bit.



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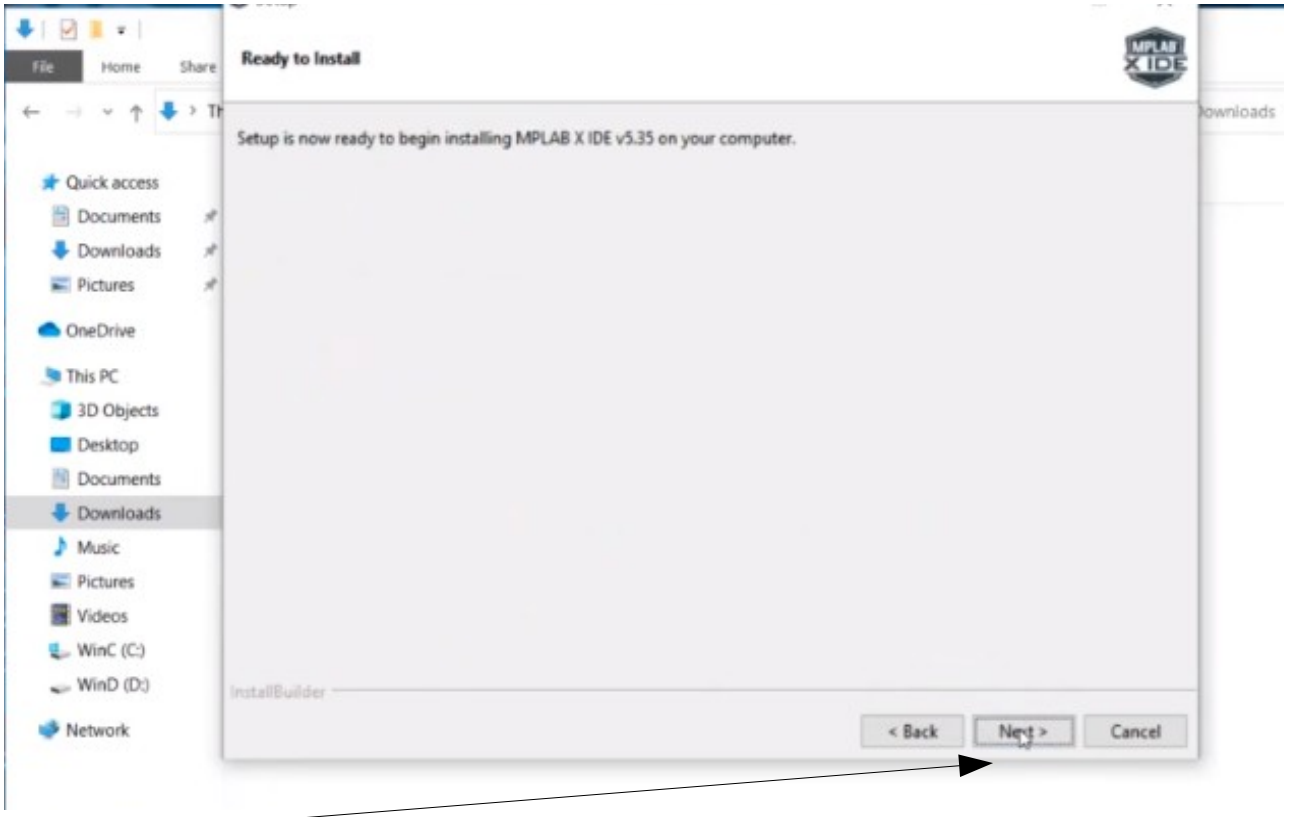
Installing MPLAB X IDE



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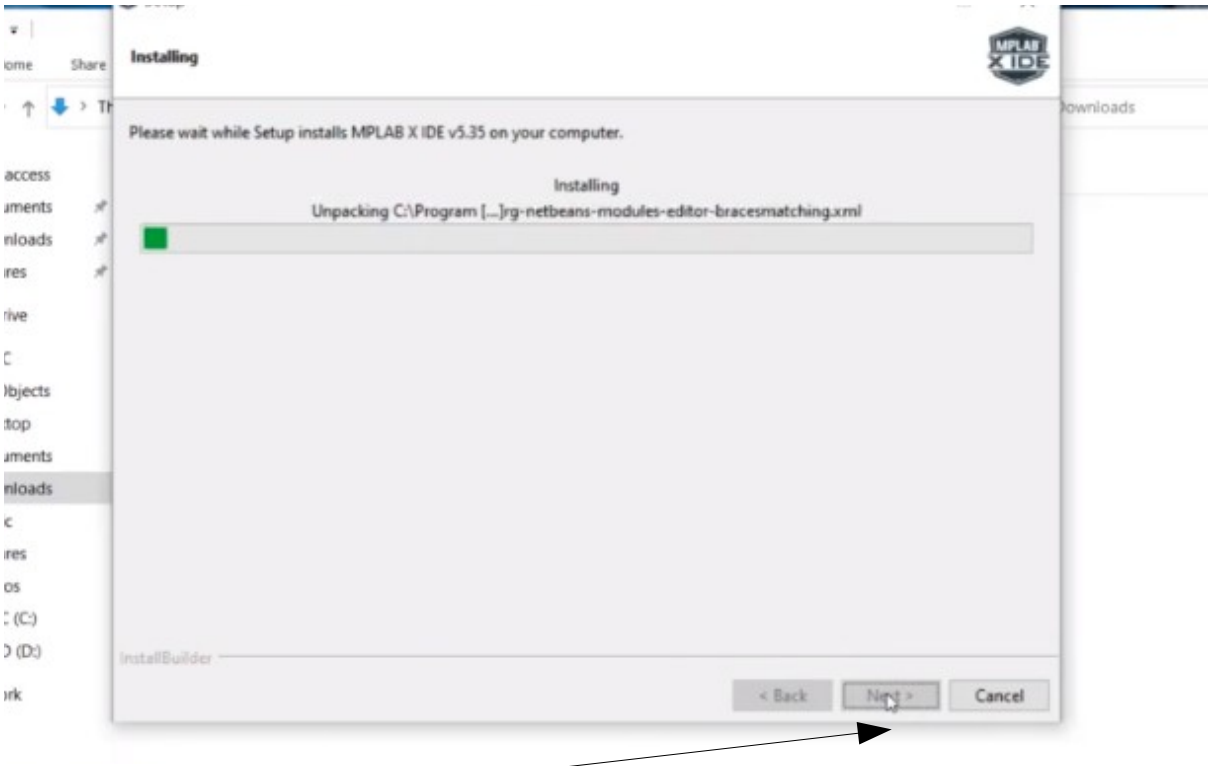
Installing MPLAB X IDE

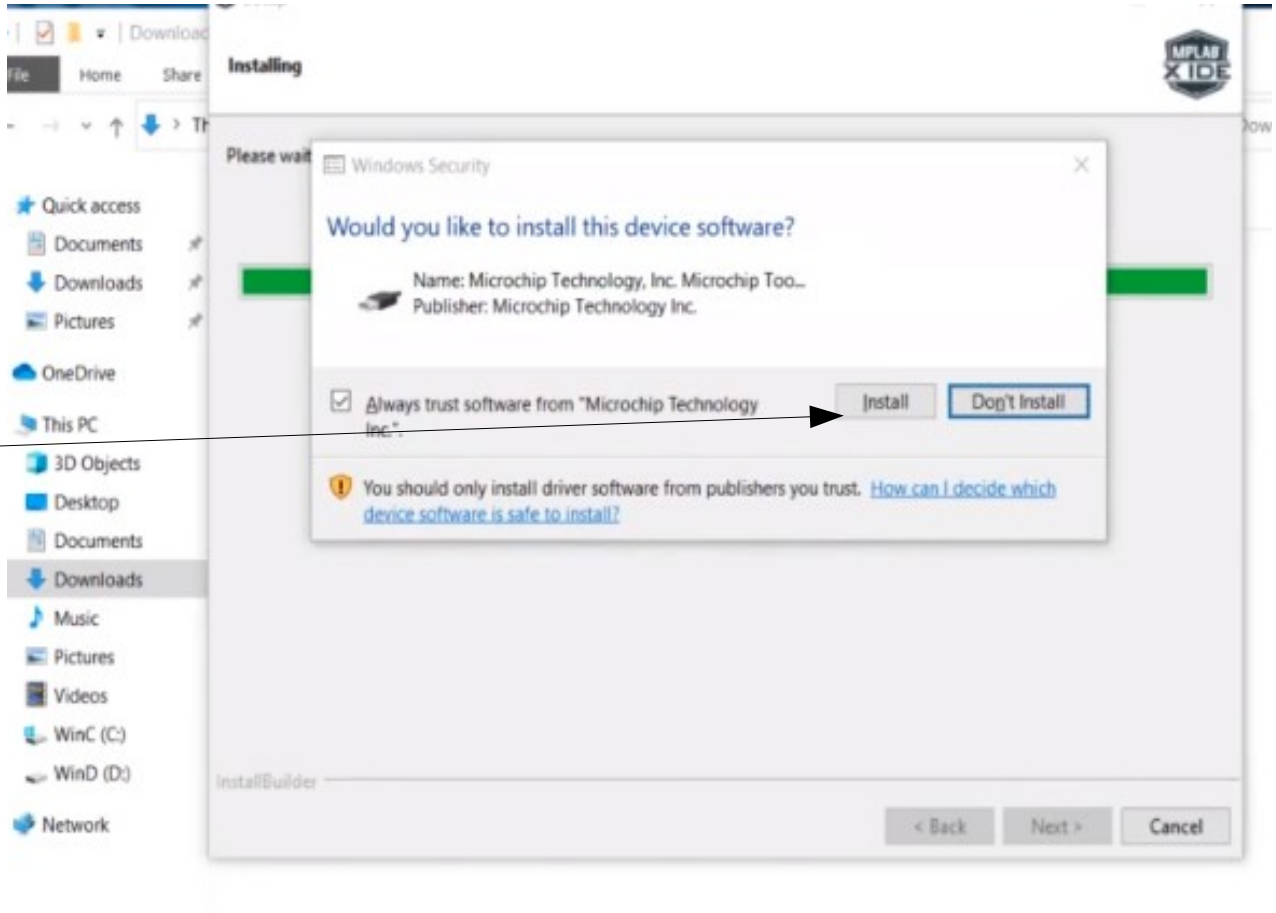


Click on next

Installing MPLAB X IDE

-> Select install here.

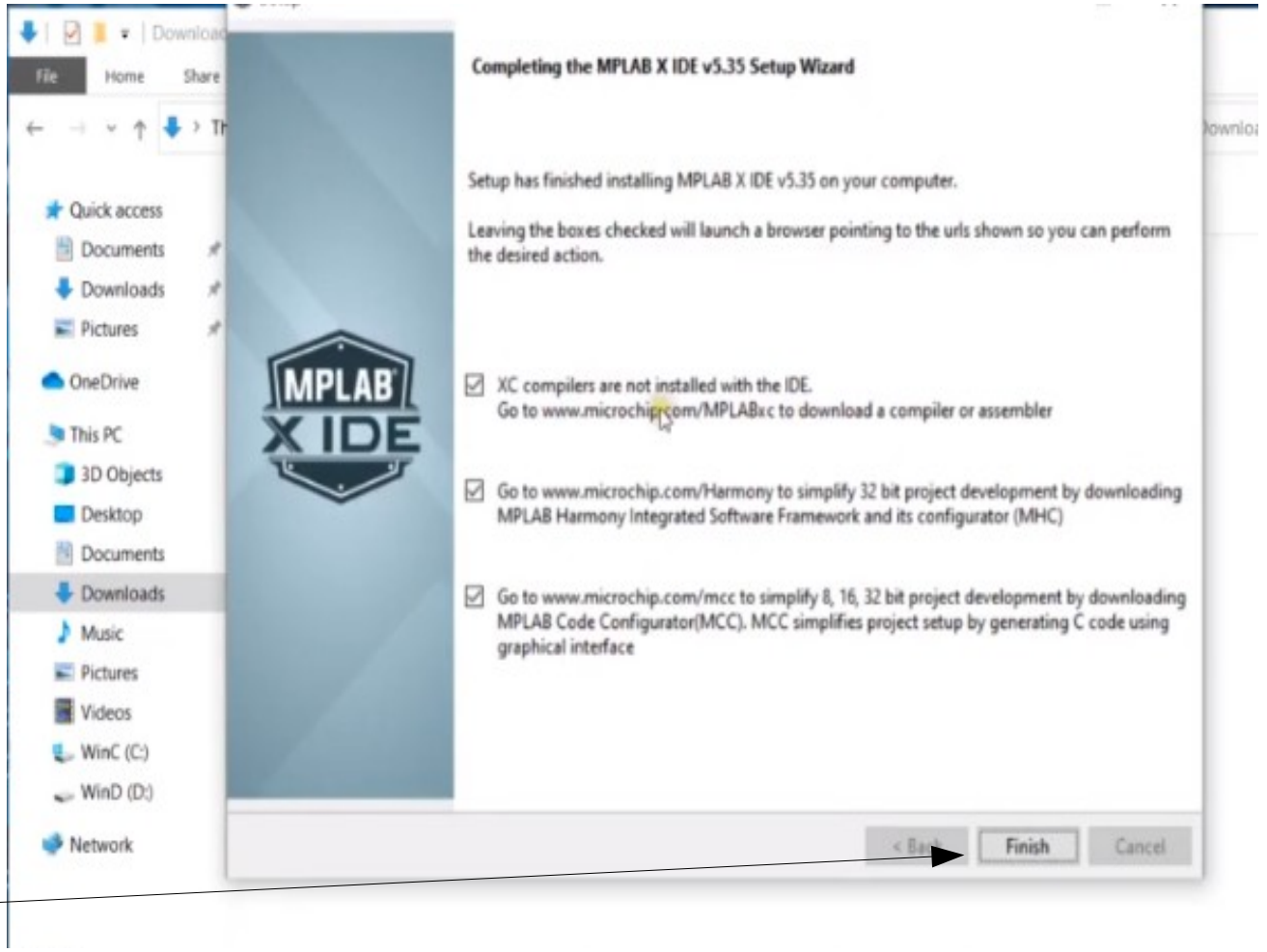
Click on install



Installing MPLAB X IDE

->MPLAB will be installed successfully

->MPLAB icon will appear on the desktop



Click on finish

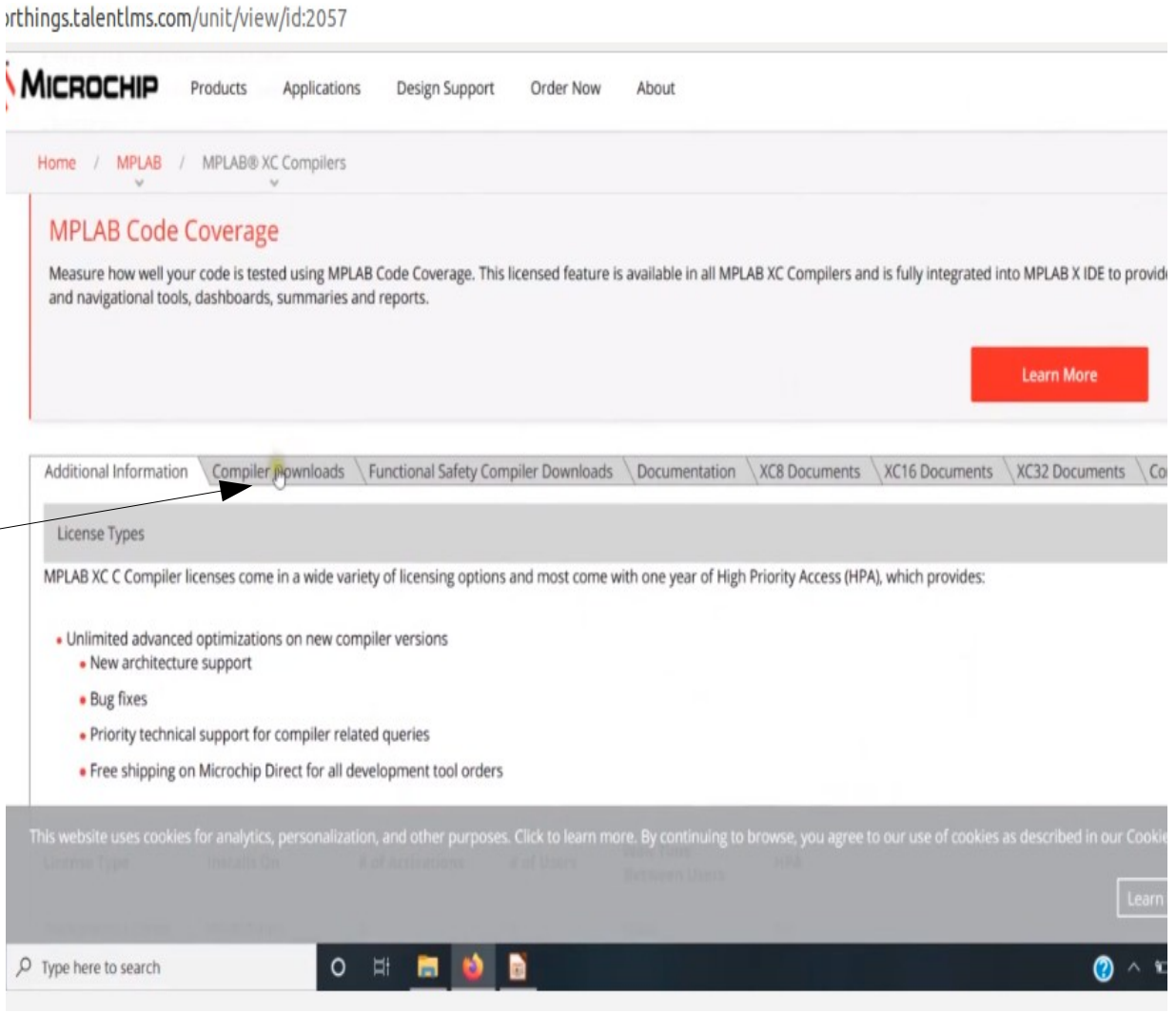
Installing XC8

-> Open any browser and search for XC8 complier

-> Click on the very first link by Microchip

-> Select complier download option

Compiler downloads



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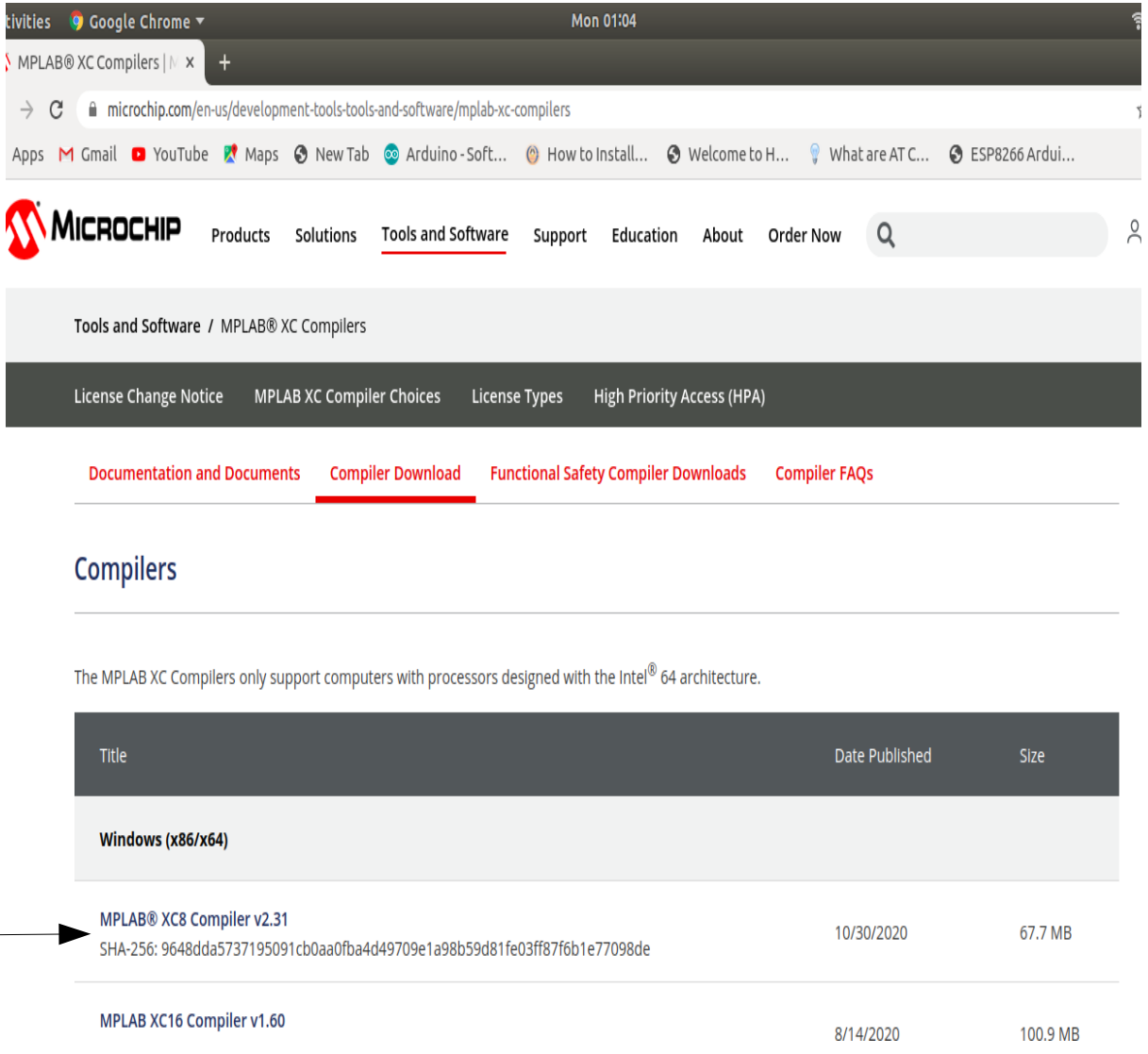
Installing XC8

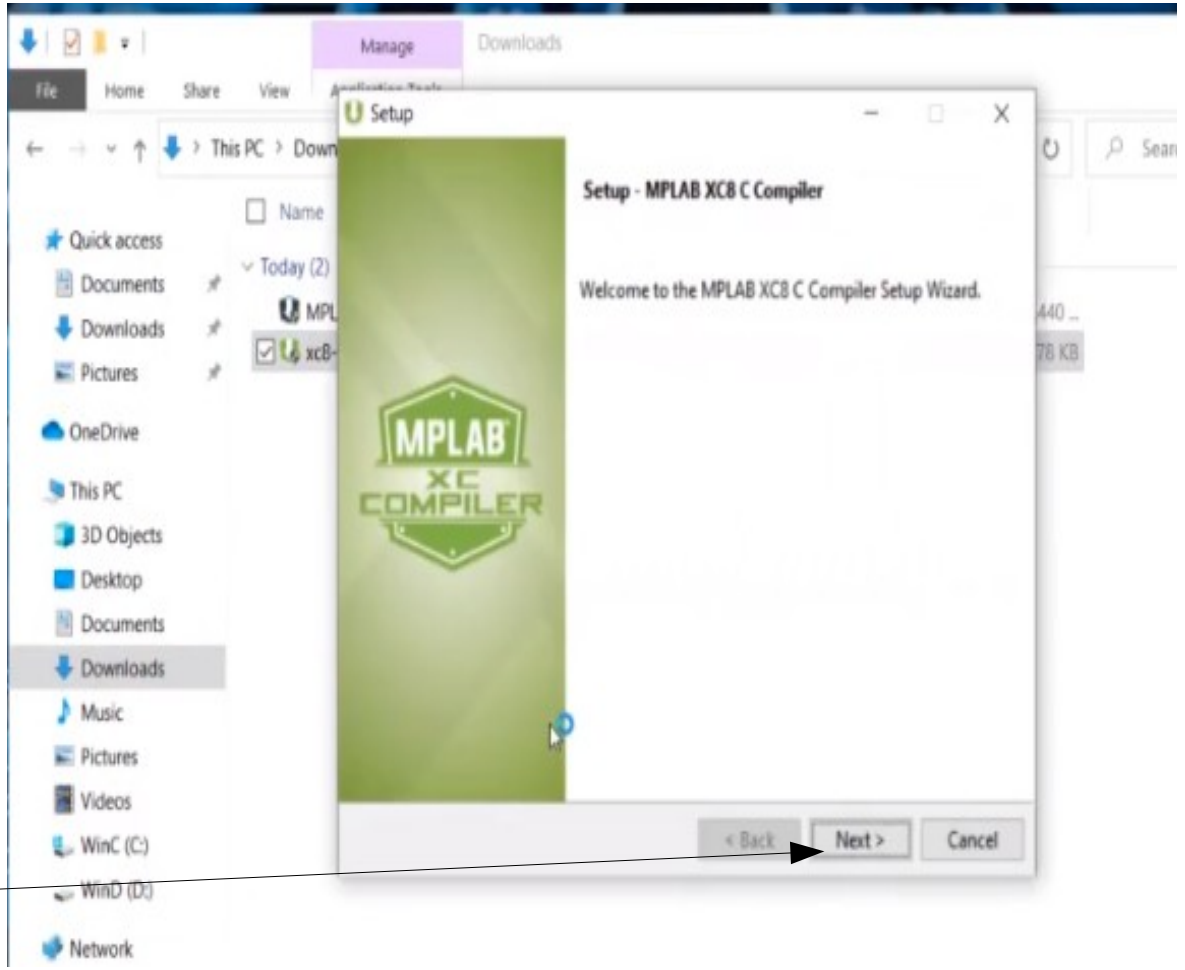
-> Dowload the latest version



Download

Installing XC8

-> Open the downloaded file from download directory and start installation
-> Click on next



Click on next

Installing XC8

-> Accept the agreement and click on next

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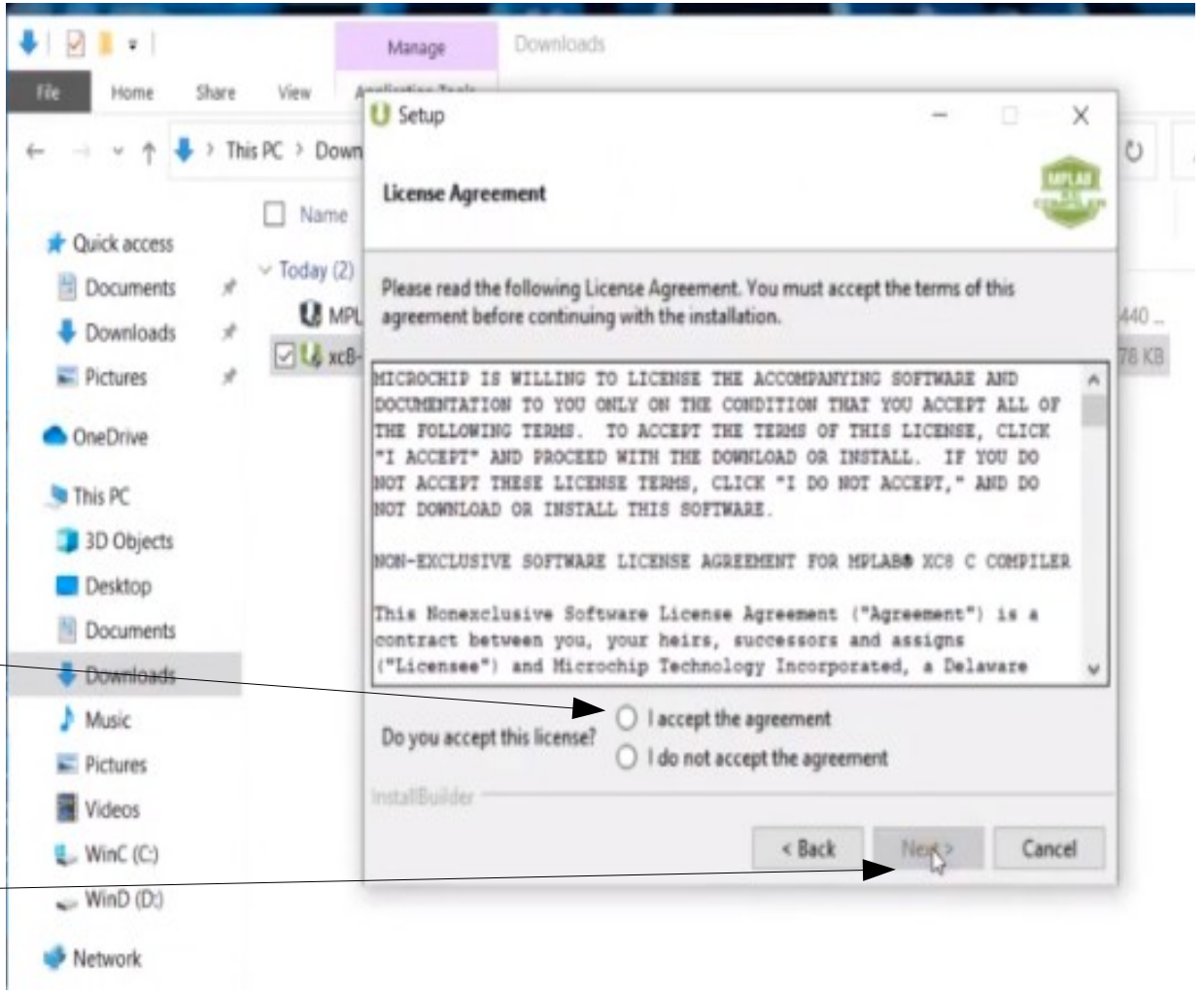


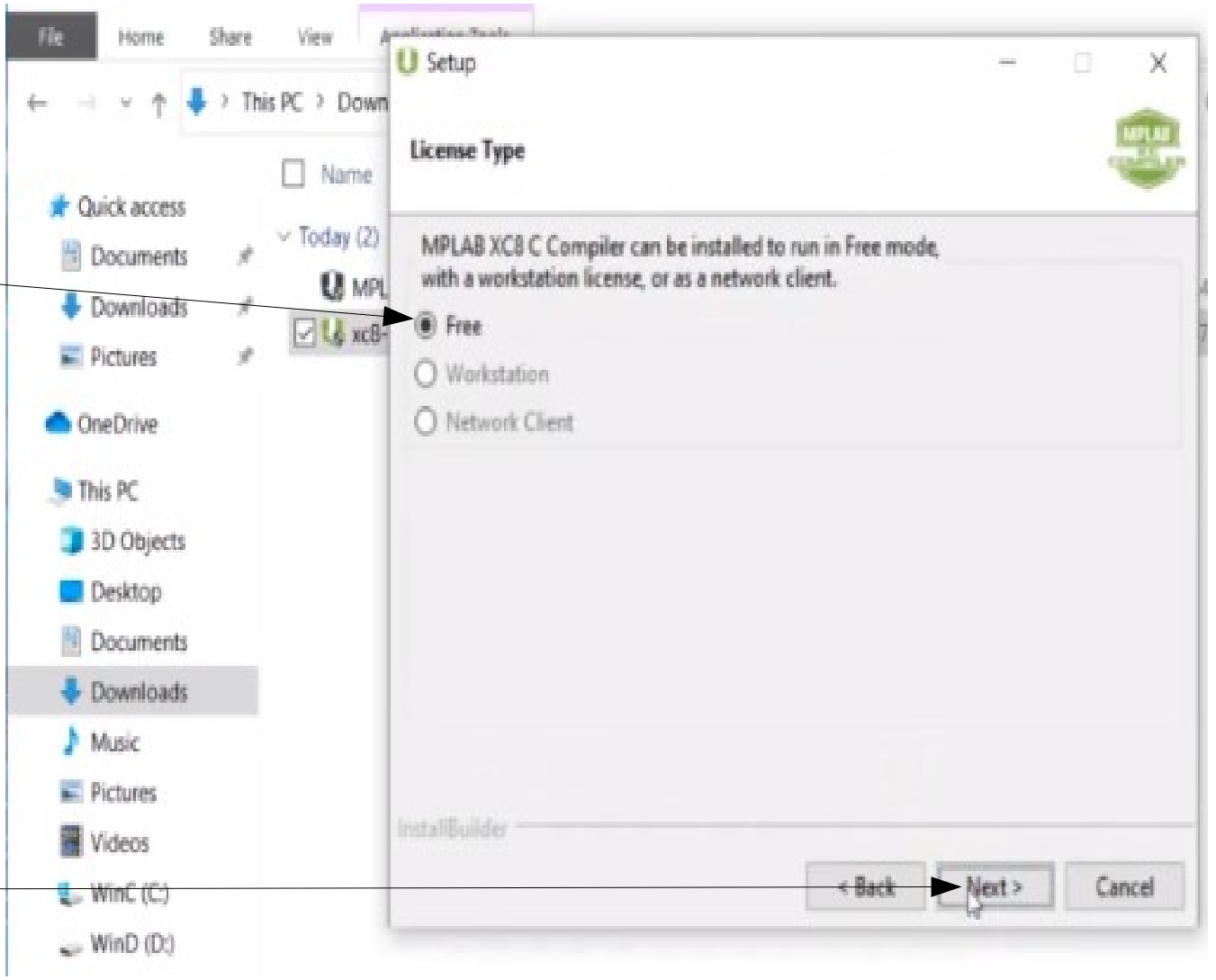
Installing XC8

-> Select Free license

-

Free

Click on next



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Installing XC8

-> Click on next

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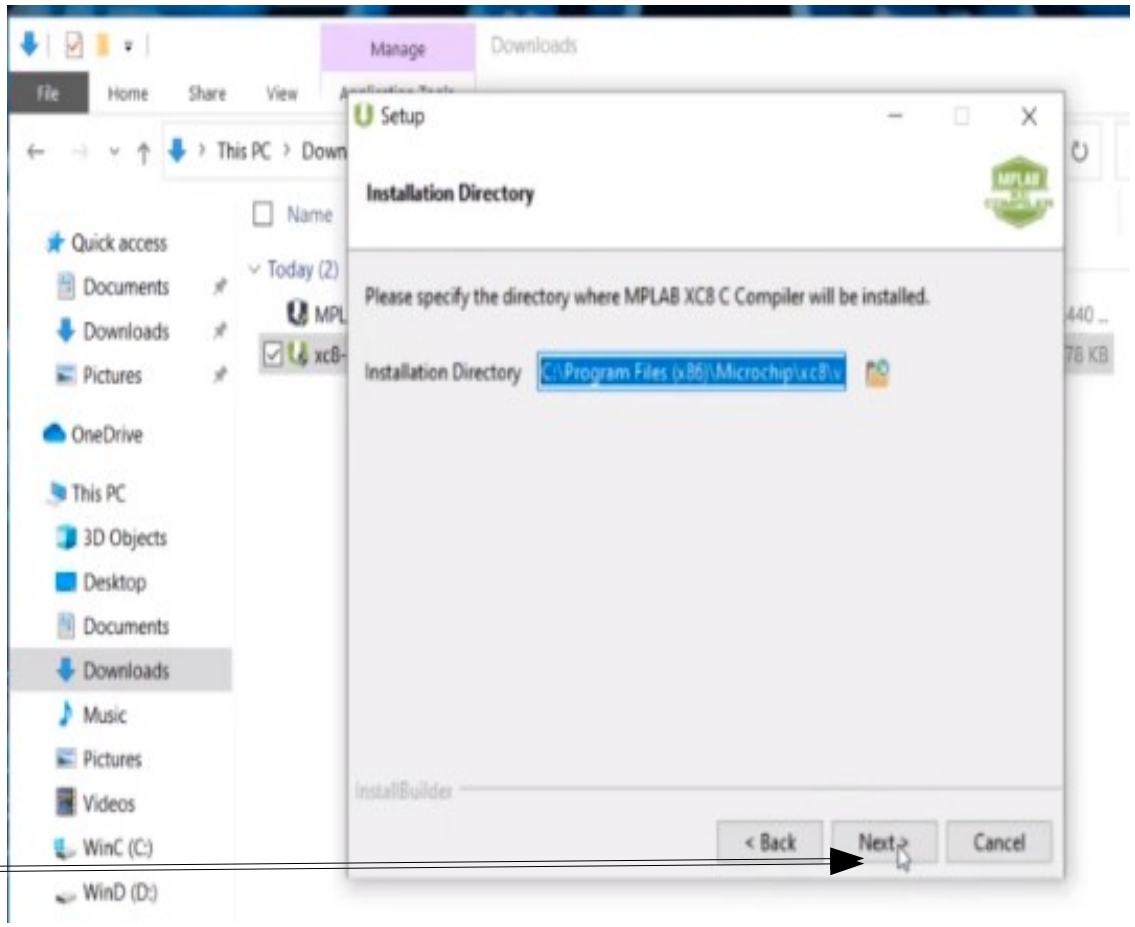
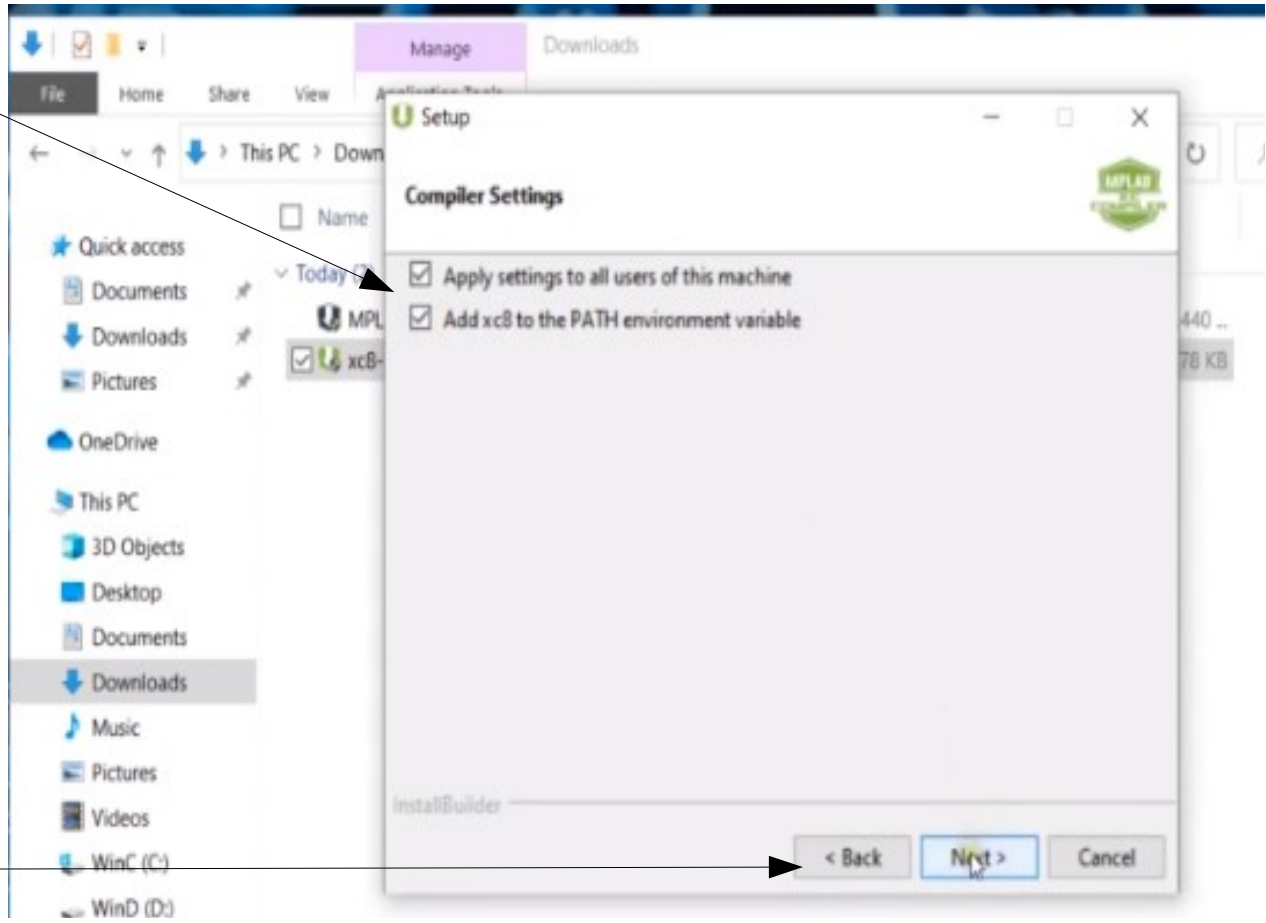


Click on next

Installing XC8

-> Select both the compiler settings and click on next



Click on next

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Installing XC8

-> Click on next

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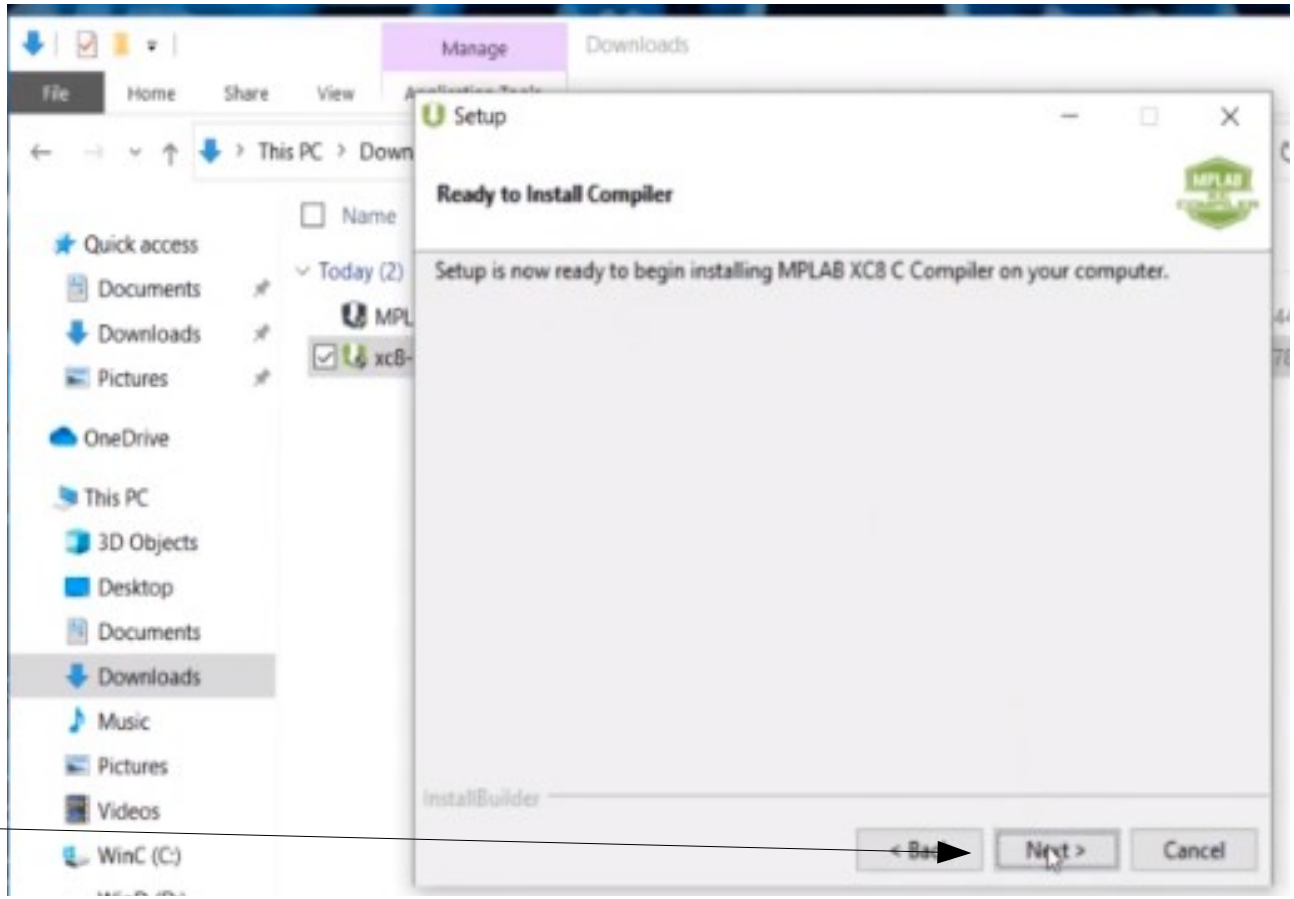
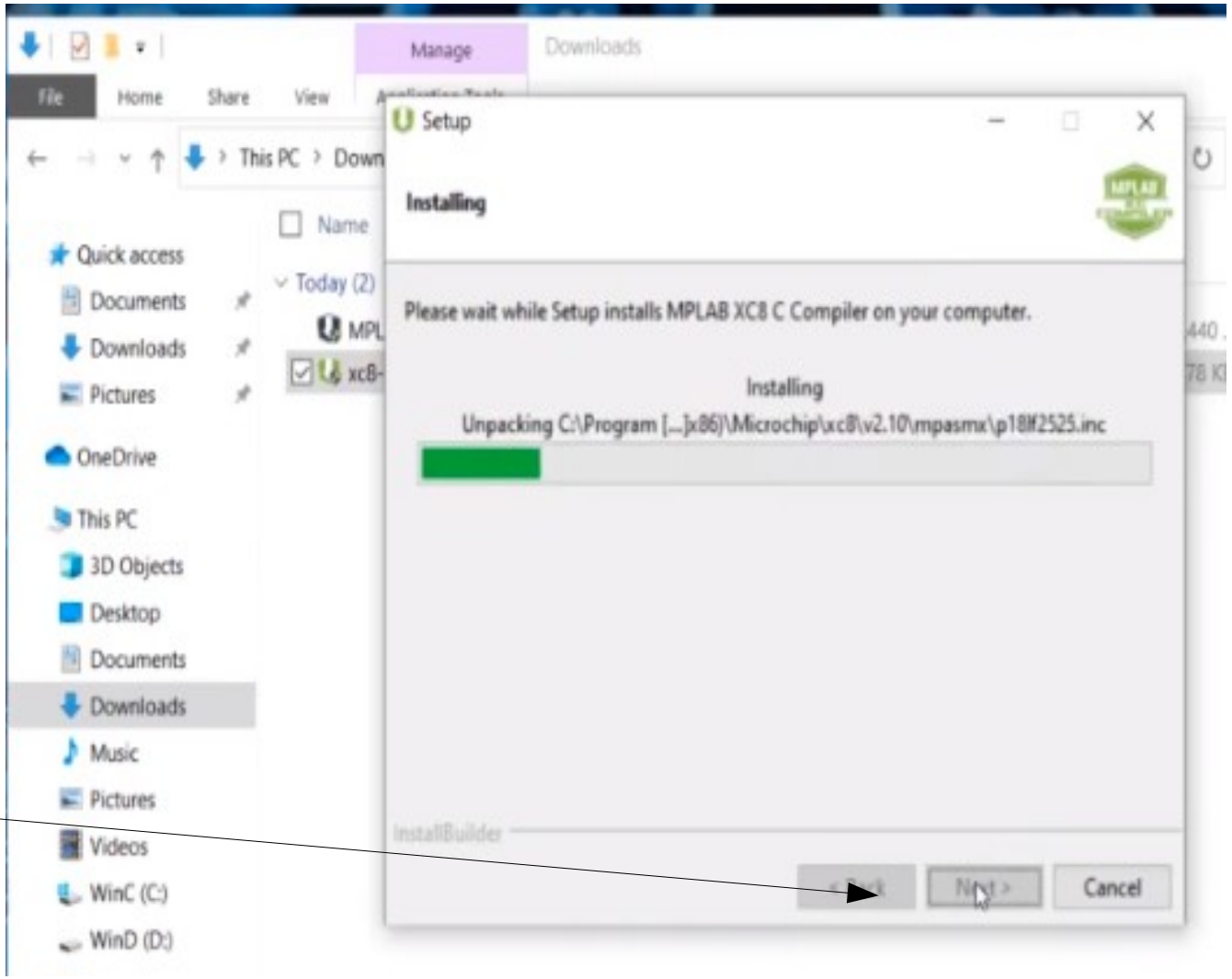


Click on next

Installing XC8

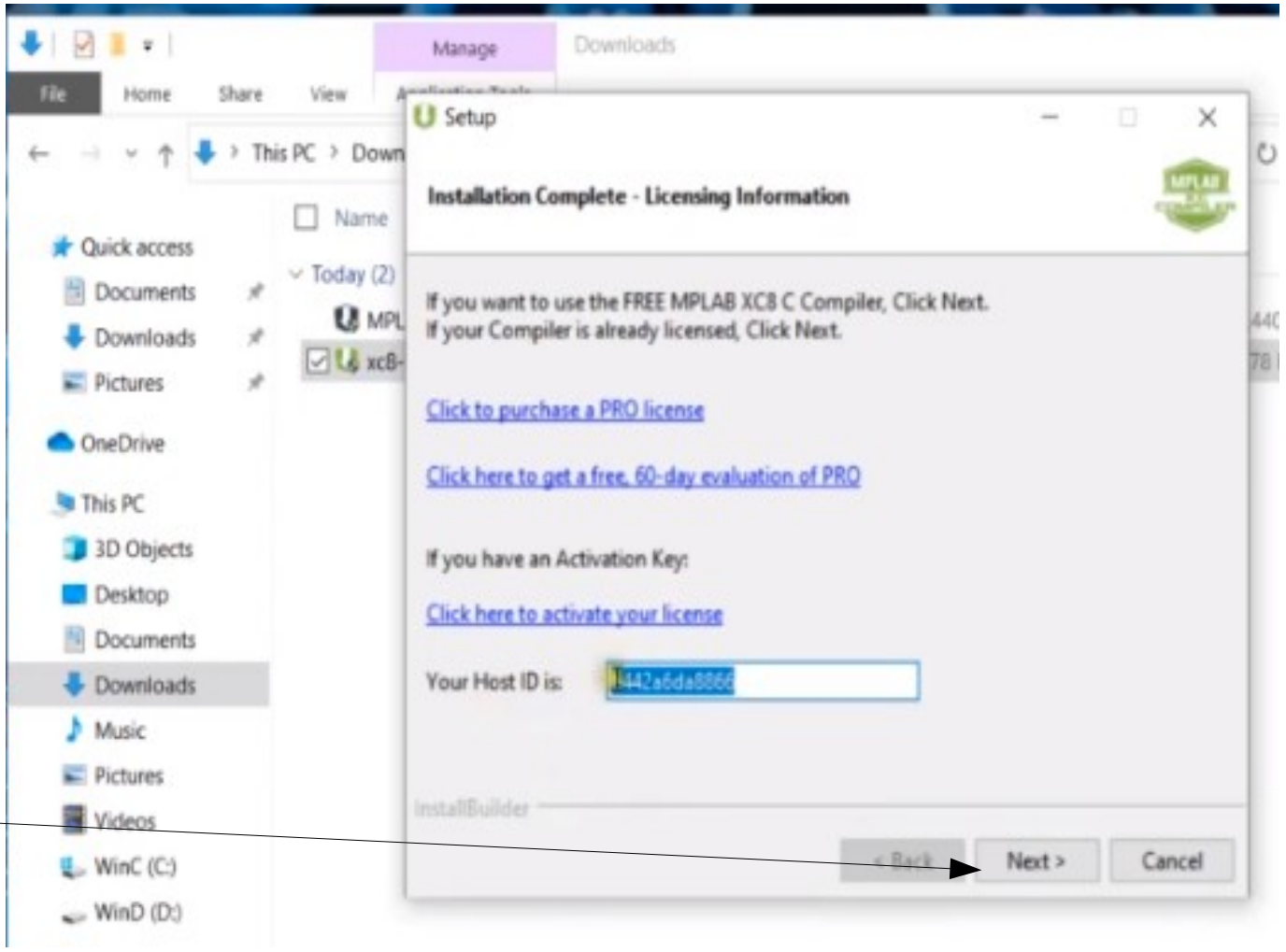
-> Installation starts and later click on next



Click on next

Installing XC8

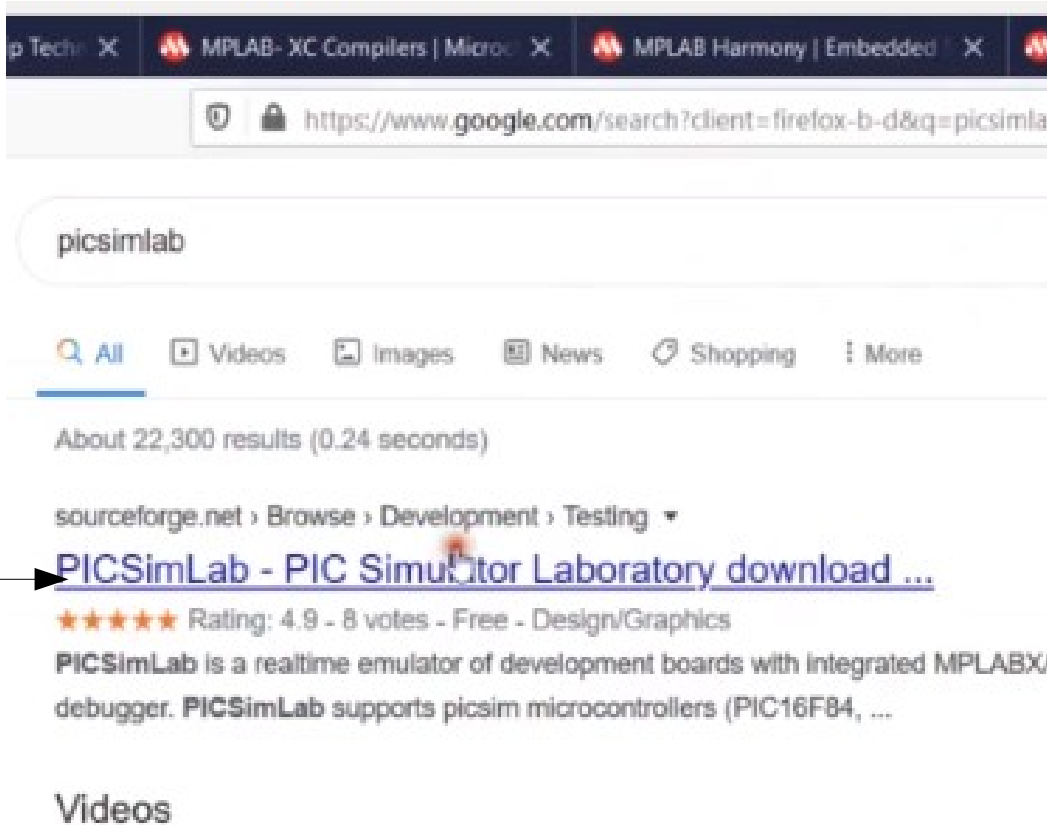
-> Click on next
-> XC8 complier installed successfully



Click on next

Installing Picsimlab

>Open any browser and search for Picsimlab.
>Click on the very first link from sourceforge.net.



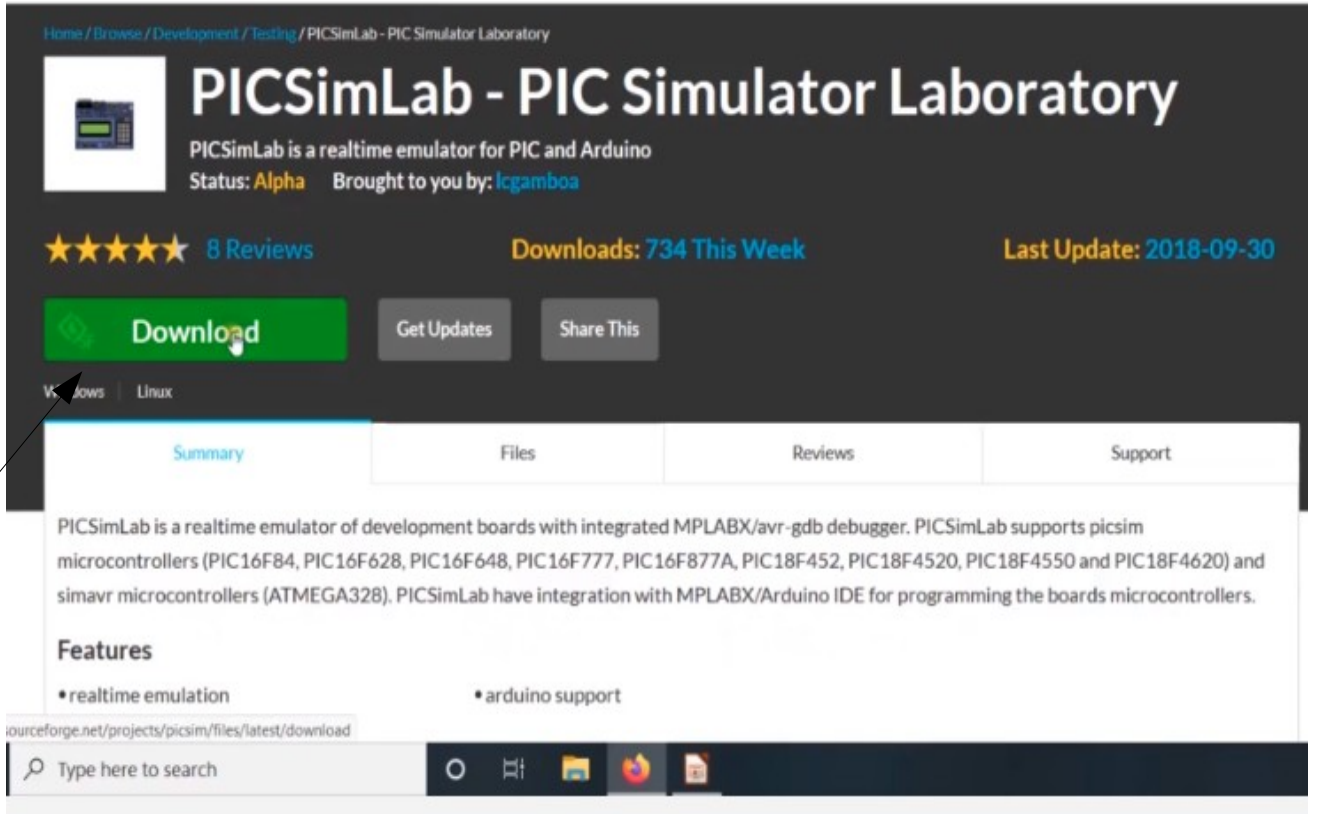
Link

Installing Picsimlab

> Click on Download

>If there is any issue in downloading change the browser and download

Download



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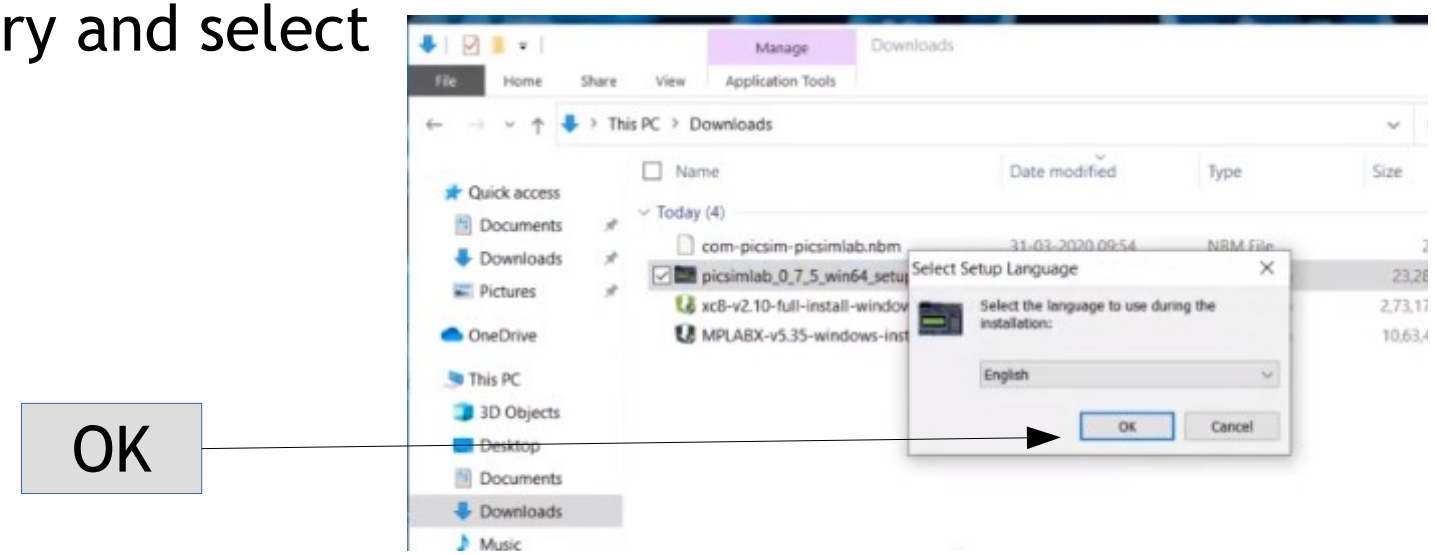
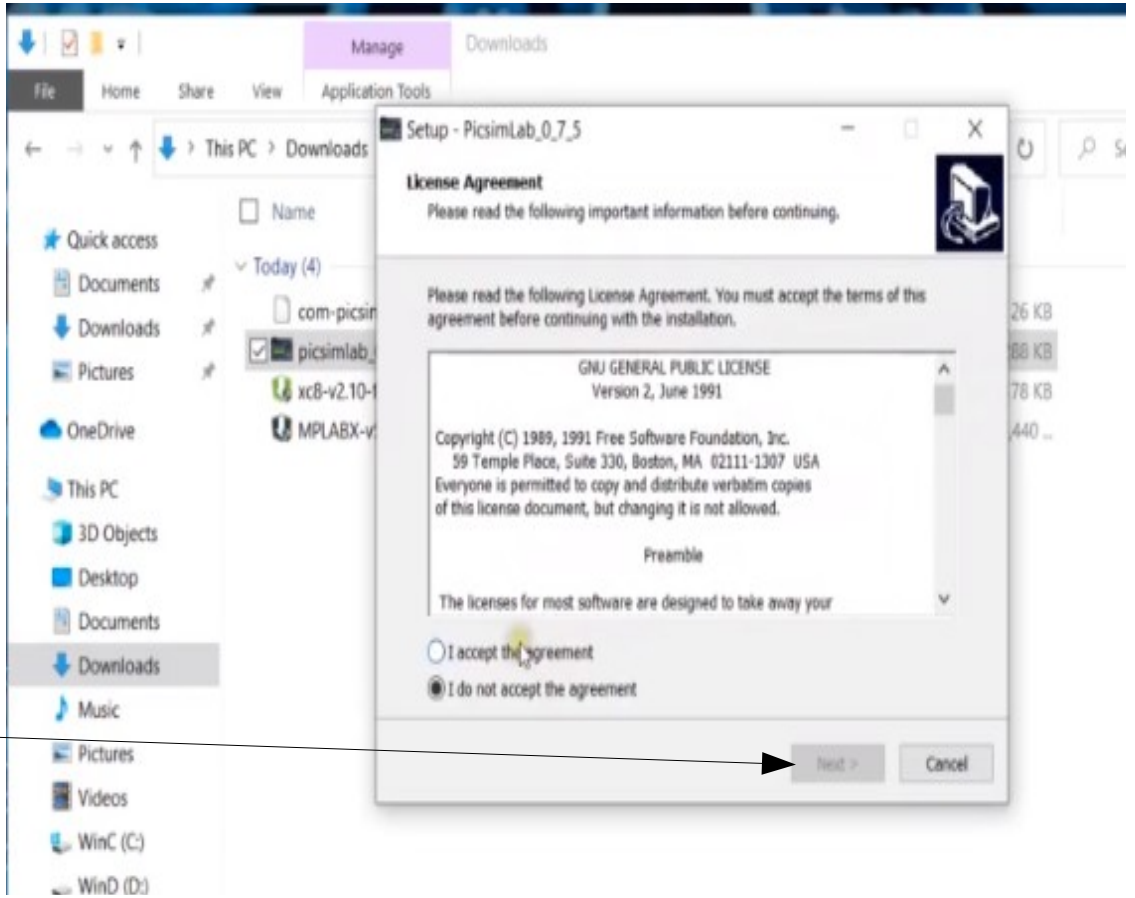
Installing Picsimlab

>Open the picsimlab file from download directory and select OK



Installing Picsimlab

>Accept agreement and click on next



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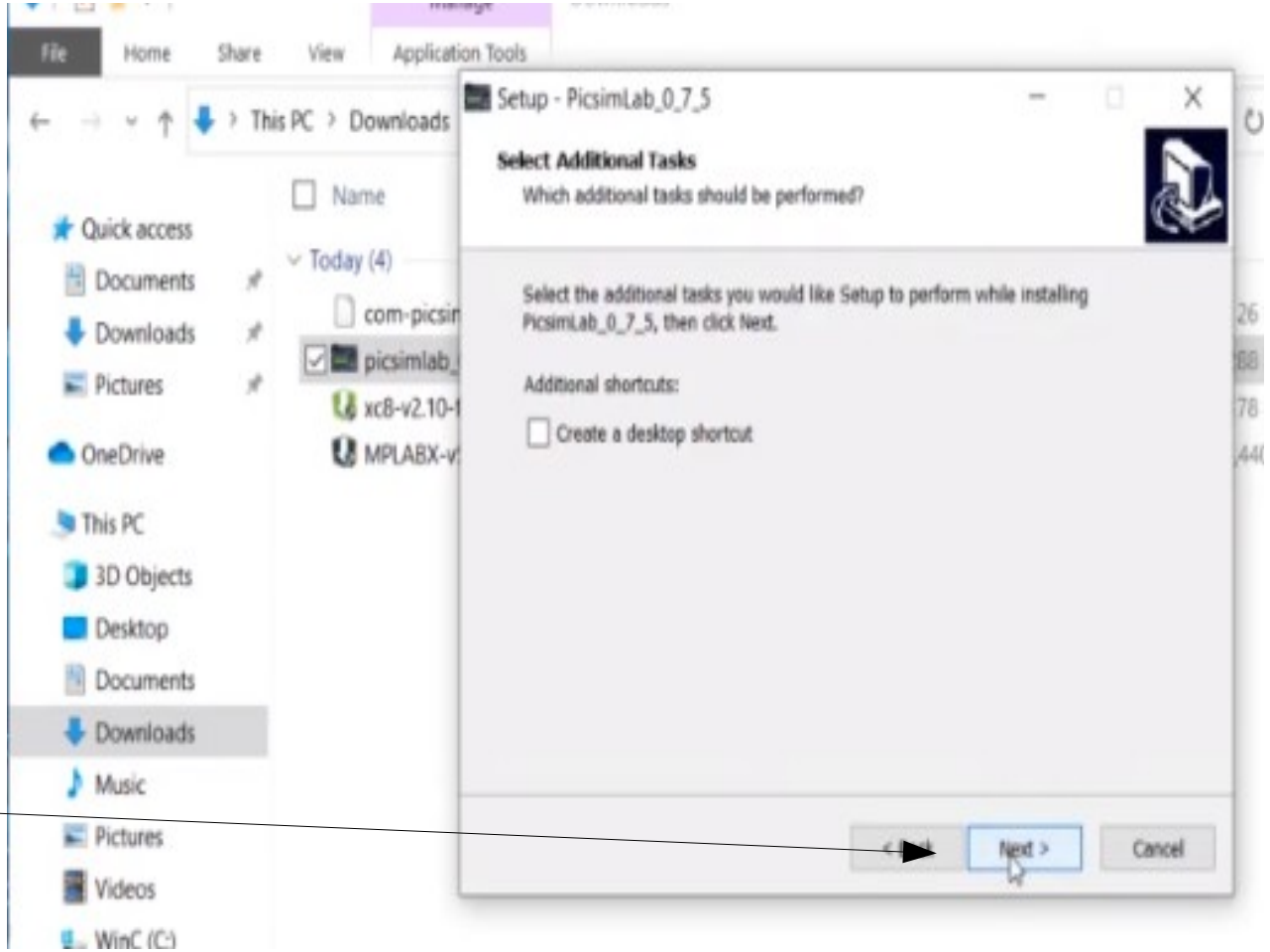
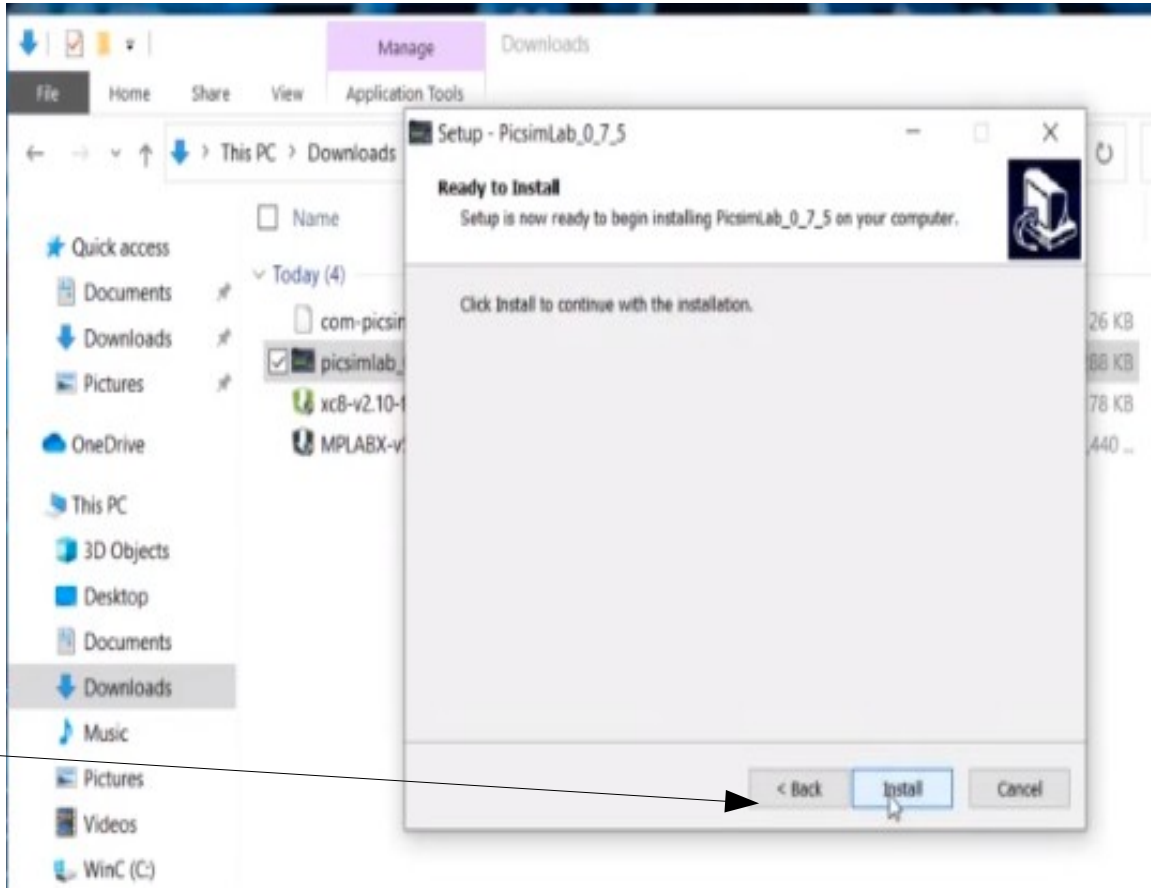
Installing Picsimlab



Click on next

Installing Picsimlab

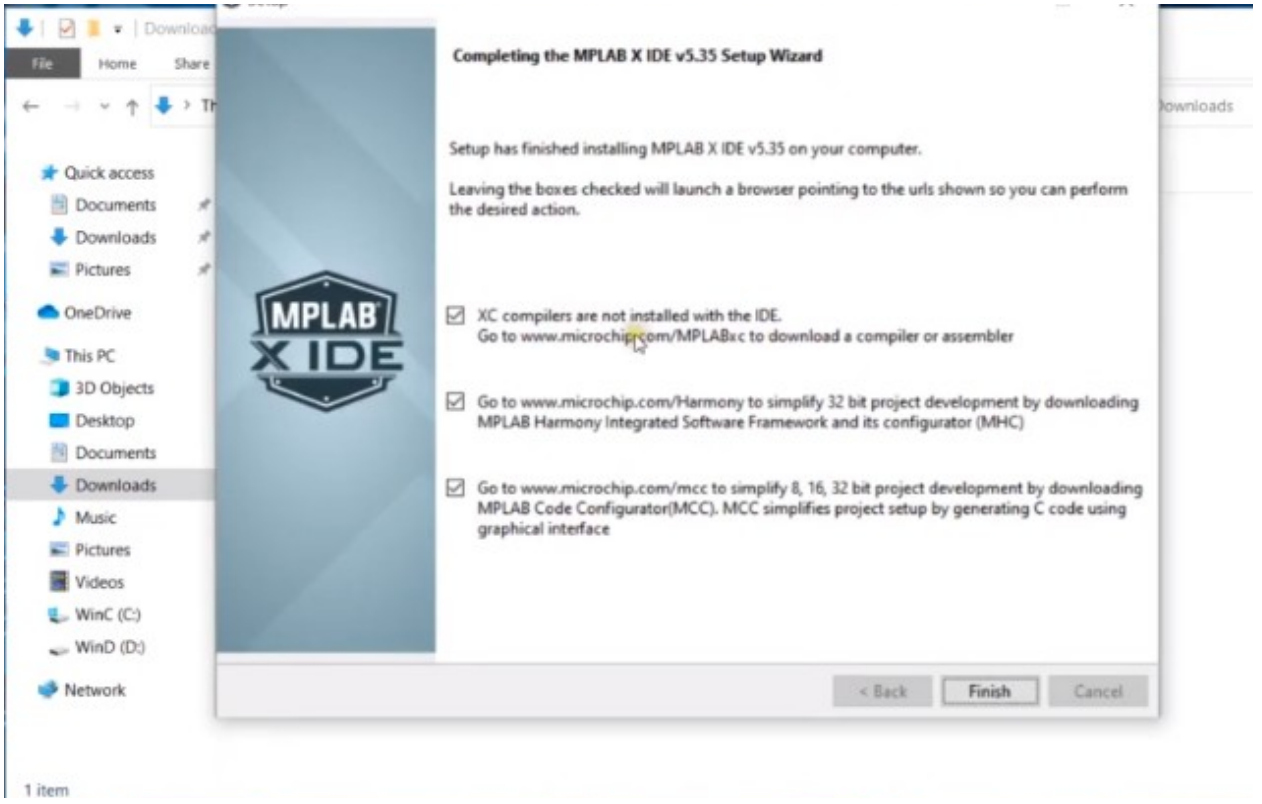
> Click on install
> Picsimlab inxtalled successfully



Click on install

Installing MPLAB X IDE

-> If 13GB memory is available in C disk need not change anything here.
-> I.



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