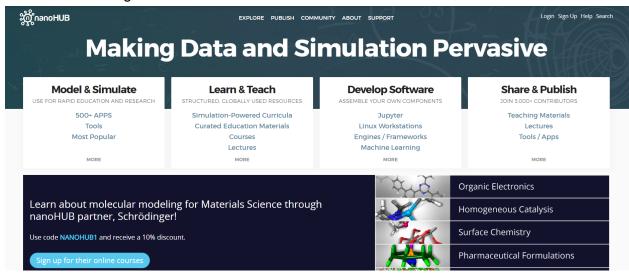
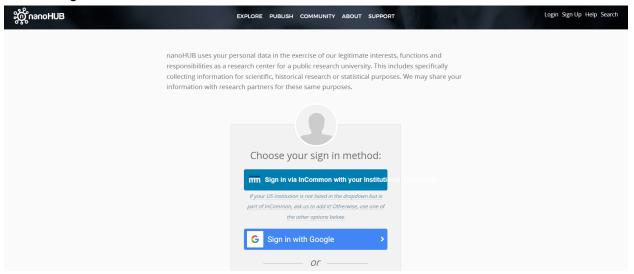
### To Create an account on nanoHUB:

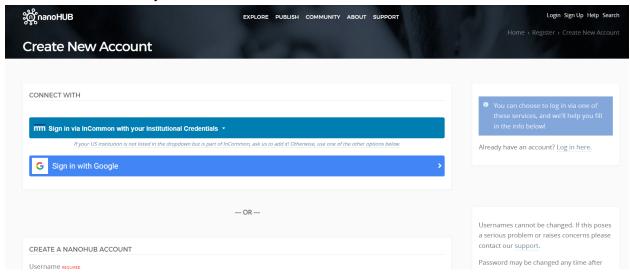
## 1. Go to nanoHUB.org



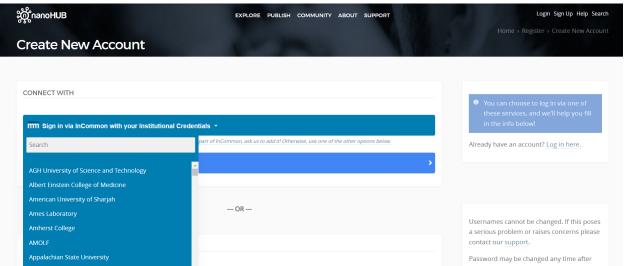
## 2. Click on log in



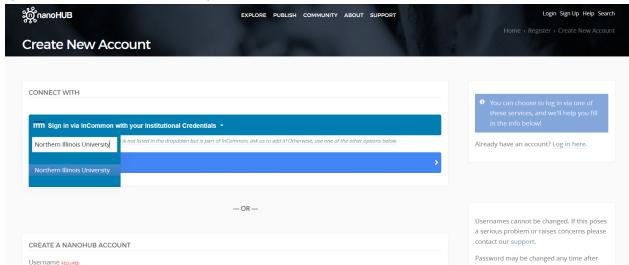
3. Scroll down where it says create an account, and click on it



4. Click on the first box that says "Sign in via InCommon with your Institutional Credentials"



5. Type "Northern Illinois University" into the search bar



6. Click on the option that appears



- 7. Type your Zid into the username and your MyNIU password into the password
- 8. Click login





You are about to access the service: **nanoHUB.org** of Purdue University Main Campus

Description as provided by this service:

Online simulation and more for nanotechnology.

Additional information about the service

Information to be Provided to Service		
Display name	Maria Corzo	
Principal name	Z1911431@niu.edu	
Given name	Maria	
E-mail	Z1911431@students.niu.edu	
surname	Corzo	

Data privacy information of the service

The information above would be shared with the service if you proceed. Do you agree to release this information to the service every time you access it?

The information above would be shared with the service if you proceed. Do you agree to release this information to the service every time you access it?

Select an information release consent duration:

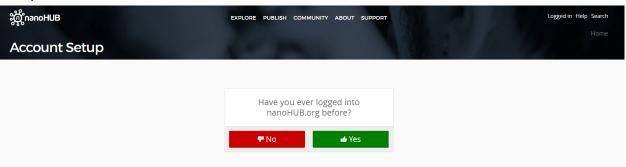
- Ask me again at next login
  - I agree to send my information this time.
- Ask me again if information to be provided to this service changes
  - I agree that the same information will be sent automatically to this service in the future.
- O Do not ask me again
  - I agree that all of my information will be released to any service.

This setting can be revoked at any time with the checkbox on the login page.

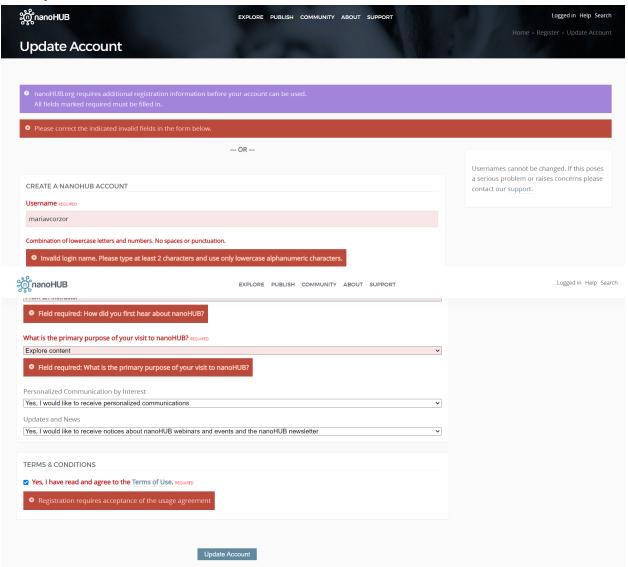
Reject

Accept

Select any of the options from the information release consent duration, and then click Accept



10. Select yes or no



- 11. Fill out the required information, start by changing your username then once all the required information is filled out click on update account
- 12. You will receive an Account Confirmation email to your student account, click on the link in the email to confirm your account

# 





#### **Account Confirmation**

Created: 2023-05-27 20:20:43 (UTC) Name: Maria Corzo;maria Corzo

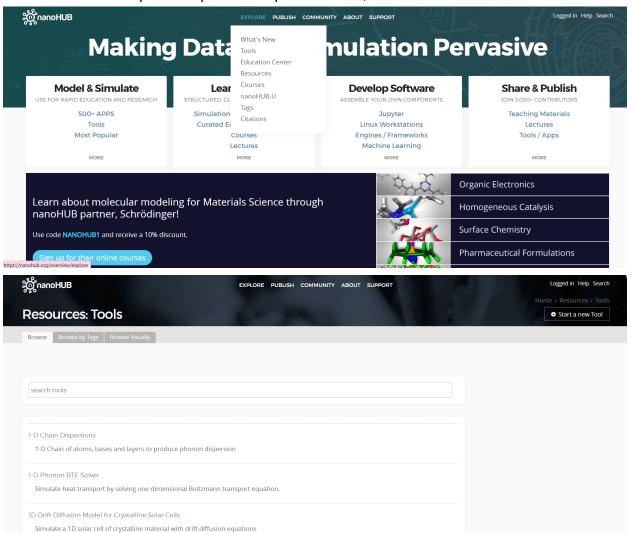
Username: mariavcorzor

This message is to confirm the email address for the account on nanoHUB.org! You must click the activation link to confirm your email address and activate your account. After clicking the link, you will be asked to login. Use the credentials you registered with this account and you're done!

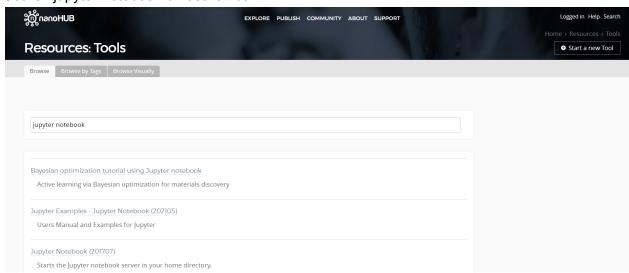
https://nanohub.org/members/confirm?confirm=939865522&email=Z1911431@students.niu.edu

nanoHUB.org sent this email because you were added to the list of recipients on https://nanohub.org/. Visit our Privacy Policy and Support Center if you have any questions.

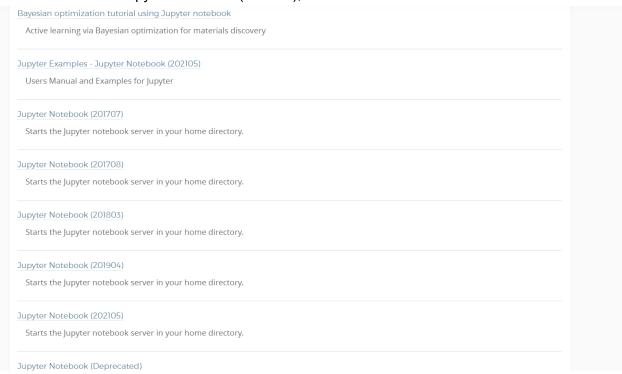
13. Now you have an account in nanoHub where you can access Jupyter Notebook, to find it hover mouse over Explore to open the drop down menu, then click on tools.



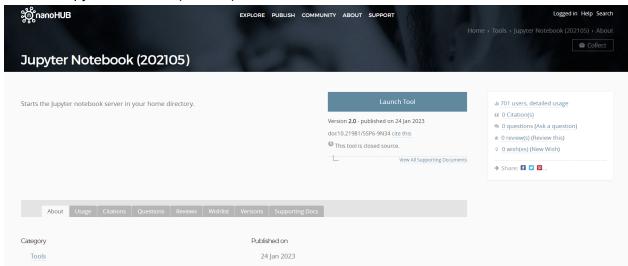
14. Search jupyter notebook on search bar



15. Scroll down to find Jupyter Notebook (202105), the newest version.



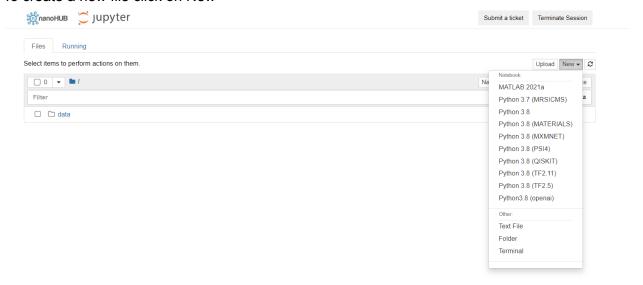
16. Click on Jupyter Notebook (202105)



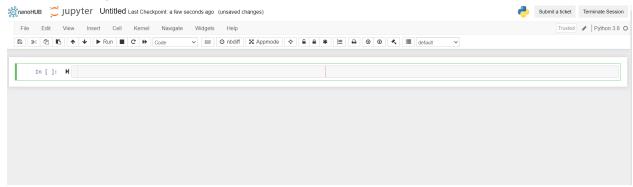
17. Click on Launch Tool, and it will redirect you to the following page



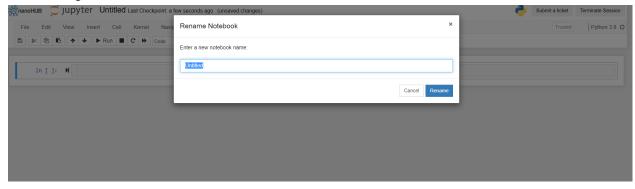
18. To create a new file click on New



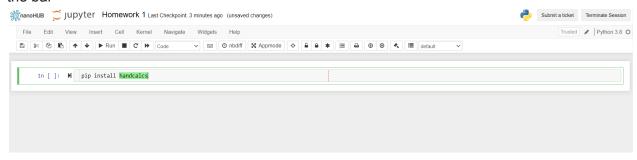
19. Then click on Python 3.8



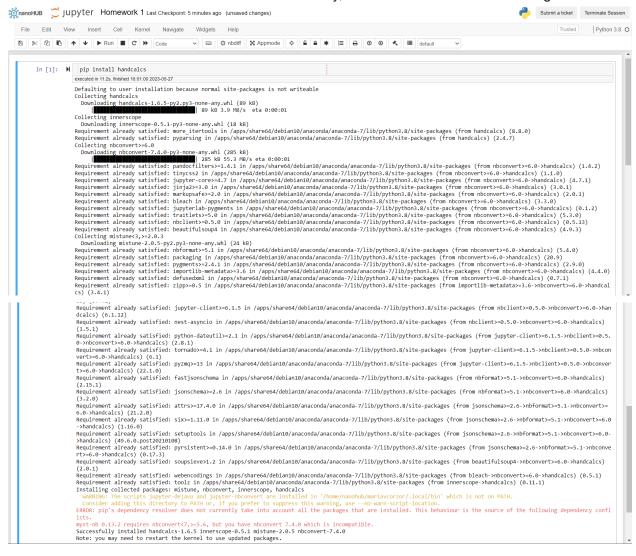
20. You can rename this notebook by clicking on Untitled, then typing on the new pop-up bar and clicking rename.



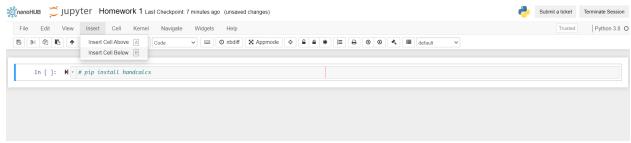
21. To use Handcalcs, you must download the library onto the Jupyter system, to do this type: "pip install handcalcs" and either click run on the menu above or the arrow next to the bar



This will run the command and download the library, which will look like the following:



- 23. This only needs to be done once, and afterwards refresh the page
- 24. To add another cell, click on insert and then cell below or on the downward arrow next to the printer in the menu

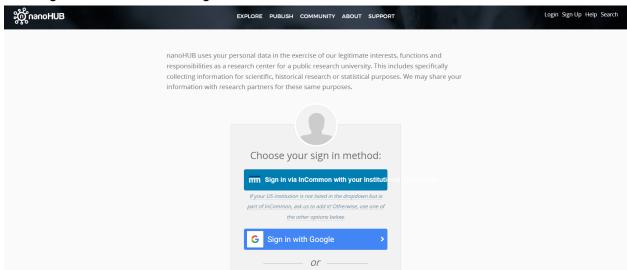


25. Now you can use the tools available in the Handcalcs library

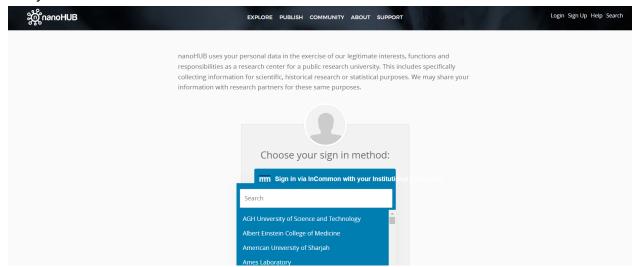
```
In [2]: \mathbf{N} \mathbf{v} \mathbf{x} = 5 \mathbf{y} = 6 \mathbf{z} \mathbf{v} \mathbf{v}
```

## To log into an already created account:

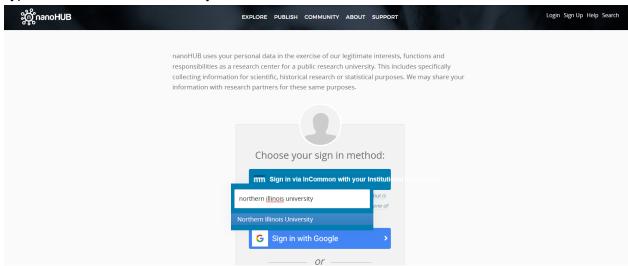
1. Click log in on the nanoHUB.org website



2. Then click on the first box under Choose your sign in method, "Sign in via InCommon with your Institutional Credentials"



3. Type "Northern Illinois University" into the search bar

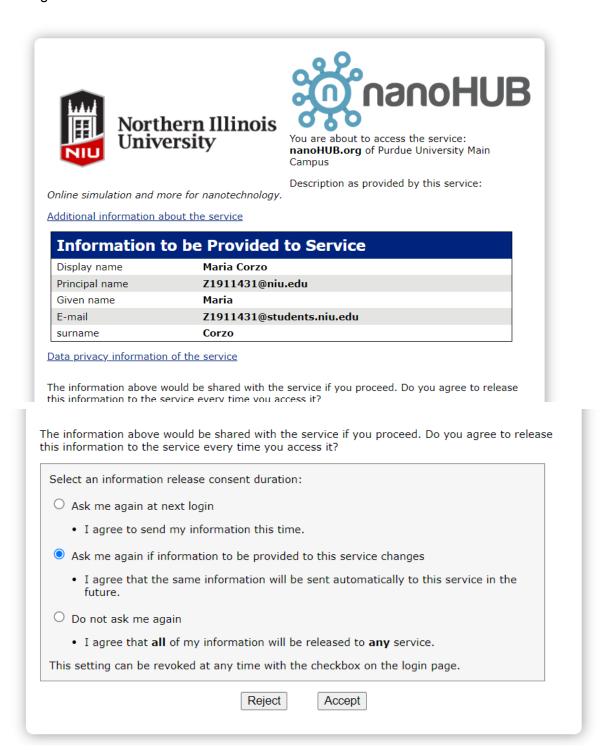


4. Click on the option that appears



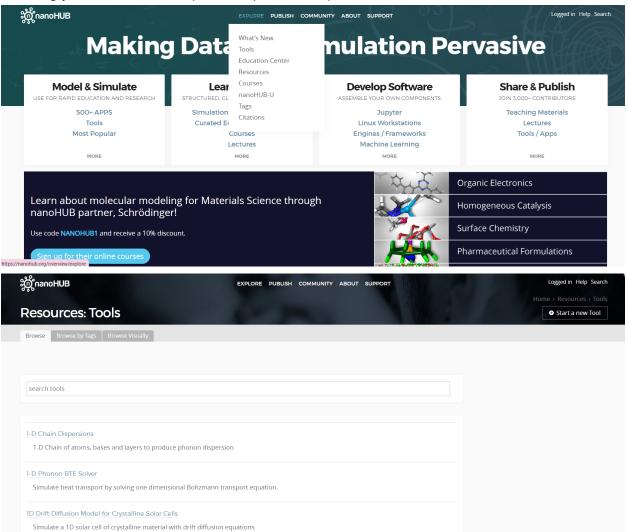
Login to nanoHUB.org	
Username	> Forgot your password? > Need Help?
Password	у меец пер:
☐ Don't Remember Login	
Clear prior granting of permission for release of your information to this service.	
Login	
	)

- 5. Type your Zid into the username and your MyNIU password into the password
- 6. Click login

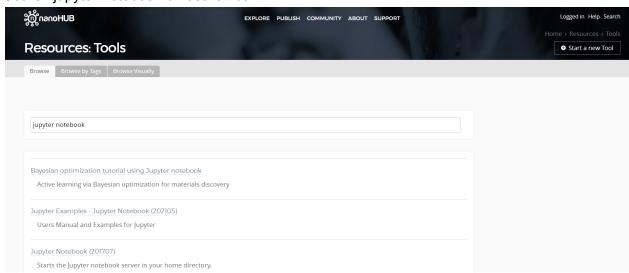


7. Select any of the options from the information release consent duration, and then click Accept If your have not used nanoHUB before look for Jupyter Notebook by:

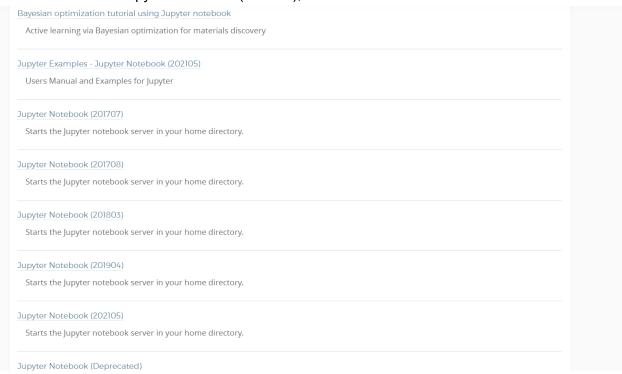
1. Hovering your mouse over Explore to open the drop down menu, then click on tools.



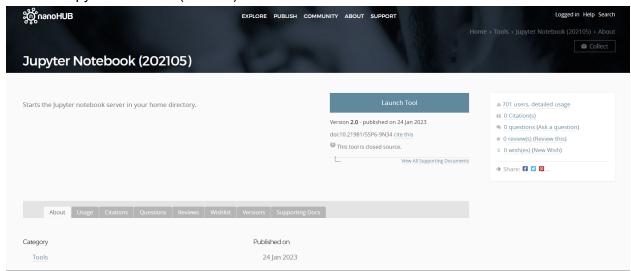
2. Search jupyter notebook on search bar



3. Scroll down to find Jupyter Notebook (202105), the newest version.



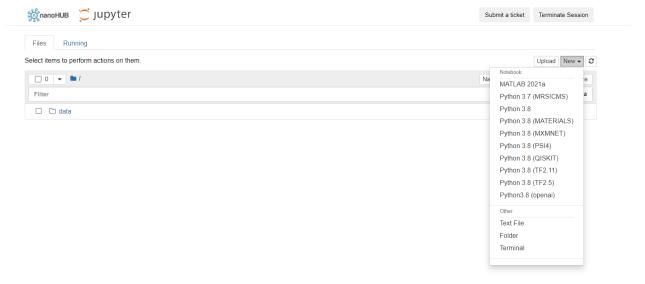
4. Click on Jupyter Notebook (202105)



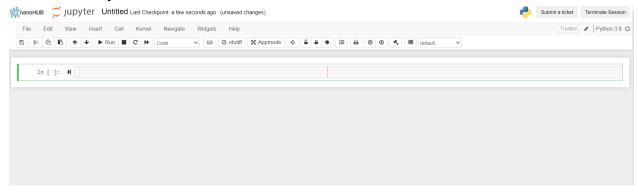
5. Click on Launch Tool, and it will redirect you to the following page



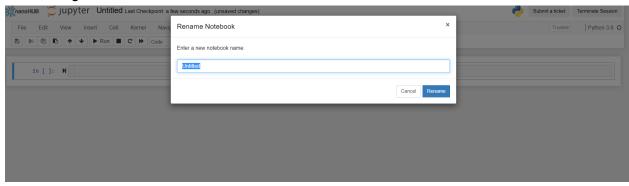
6. To create a new file click on New



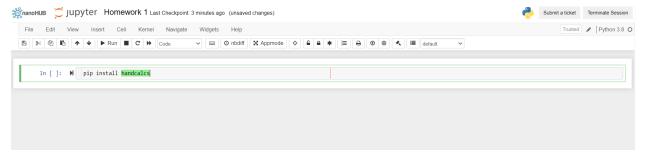
7. Then click on Python 3.8



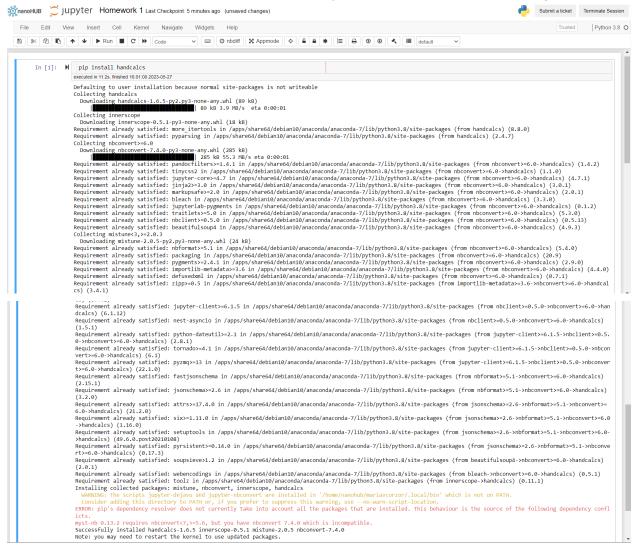
8. You can rename this notebook by clicking on Untitled, then typing on the new pop-up bar and clicking rename.



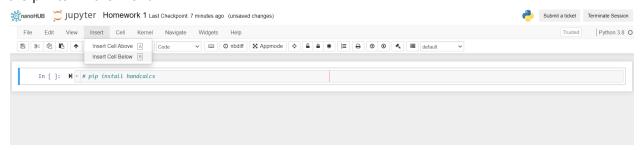
9. To use Handcalcs, you must download the library onto the Jupyter system, to do this type: "pip install handcalcs" and either click run on the menu above or the arrow next to the bar



10. This will run the command and download the library, which will look like the following:



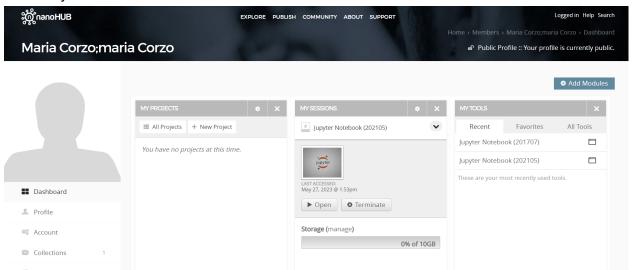
- 11. This only needs to be done once, and afterwards refresh the page
- 12. To add another cell, click on insert and then cell below or on the downward arrow next to the printer in the menu



13. Now you can use the tools available in the Handcalcs library



If you have already used nanoHUB for Jupyter you can easily access it on your dashboard under "My Session"

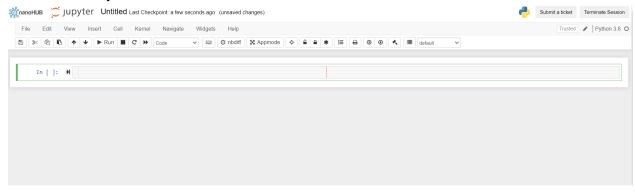


You can open it by clicking on "Open" under Jupyter Notebook, if you have not downloaded the Handcalcs library before this must be done:

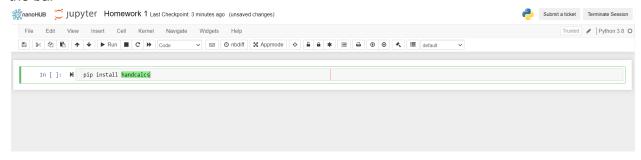
1. Create a new file click on New



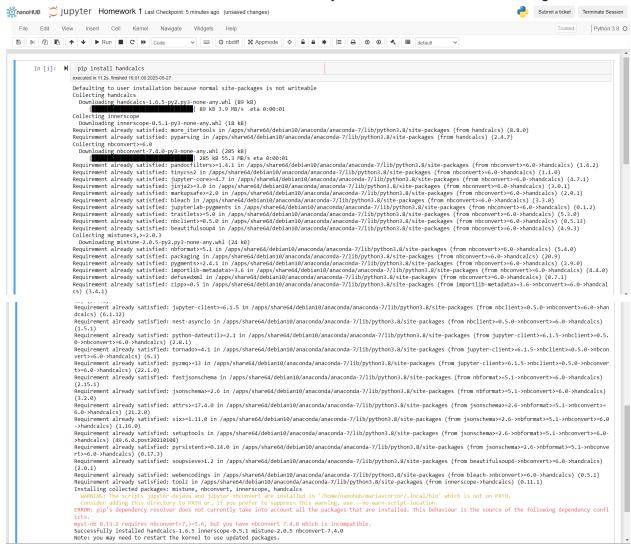
2. Then click on Python 3.8



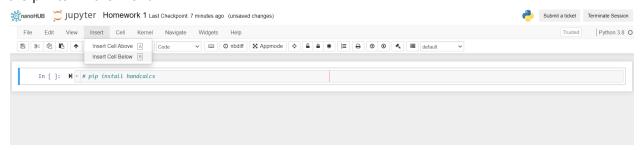
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7. Now you can use the tools available in the Handcalcs library

```
In [2]: \mathbf{N} \mathbf{v} %%render \mathbf{x} = 5 \mathbf{y} = 6 \mathbf{z} = \mathbf{x} + \mathbf{y} = 6 \mathbf{z} = x + y = 5 + 6 \mathbf{z} = 11
```