Name: Akhil R Gangan **Roll No:** 530

Topic: Retrieving 3D structure from PDB

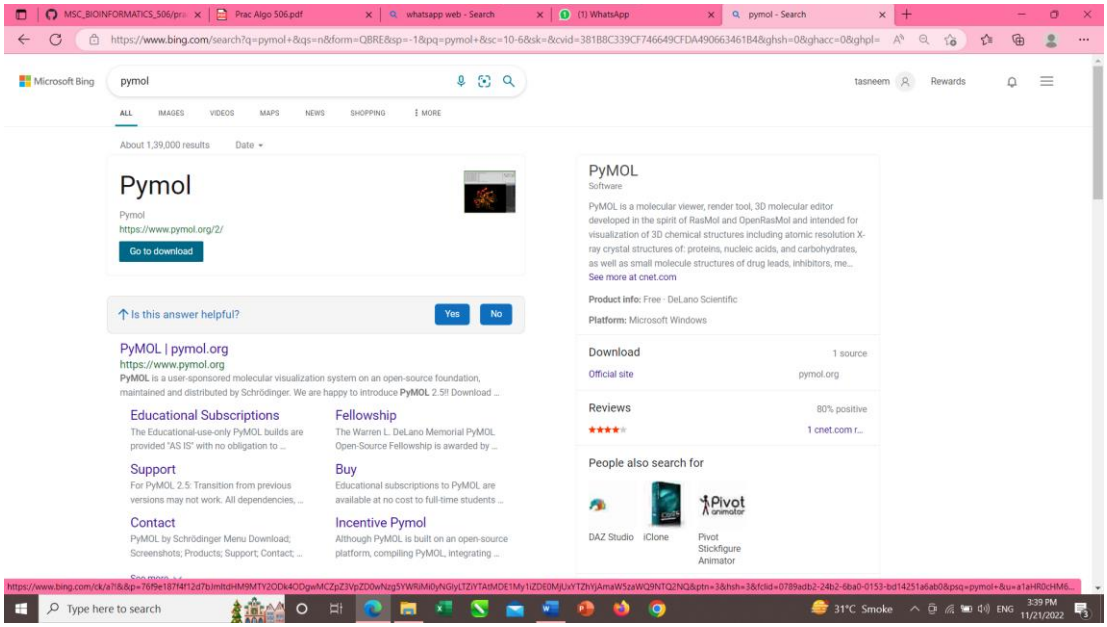
Aim: Retrieving 3D structure from PDB.

Steps: To perform the current practical, you'll be needing two things

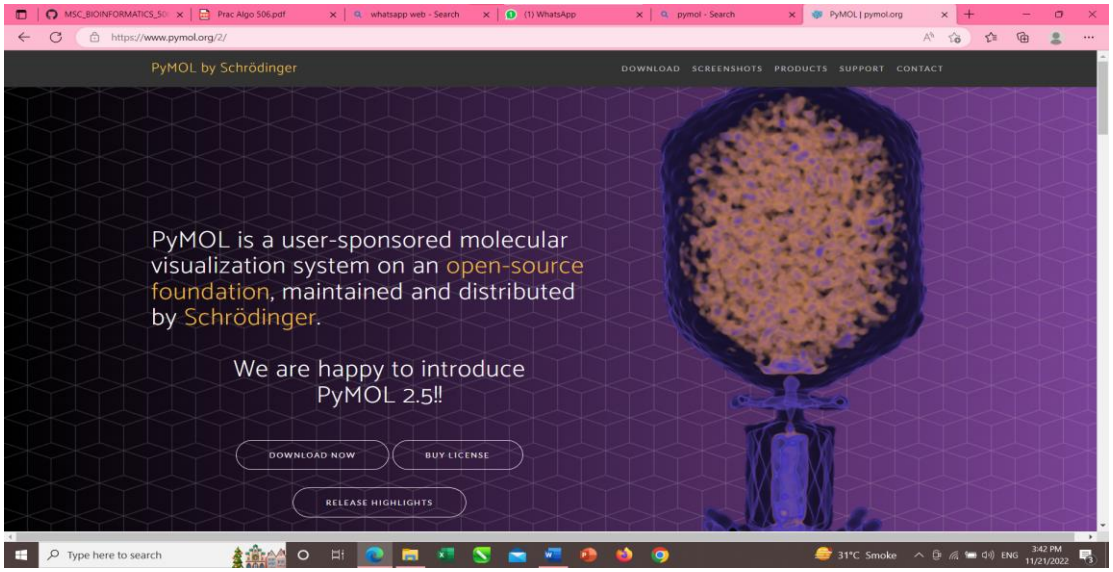
1. PyMOL (software)
2. Protein in .pdb format

- Installing PyMOL Software

First, we need to install PyMOL. To do so open google and simply search PyMOL



Open the first link and click Download Now



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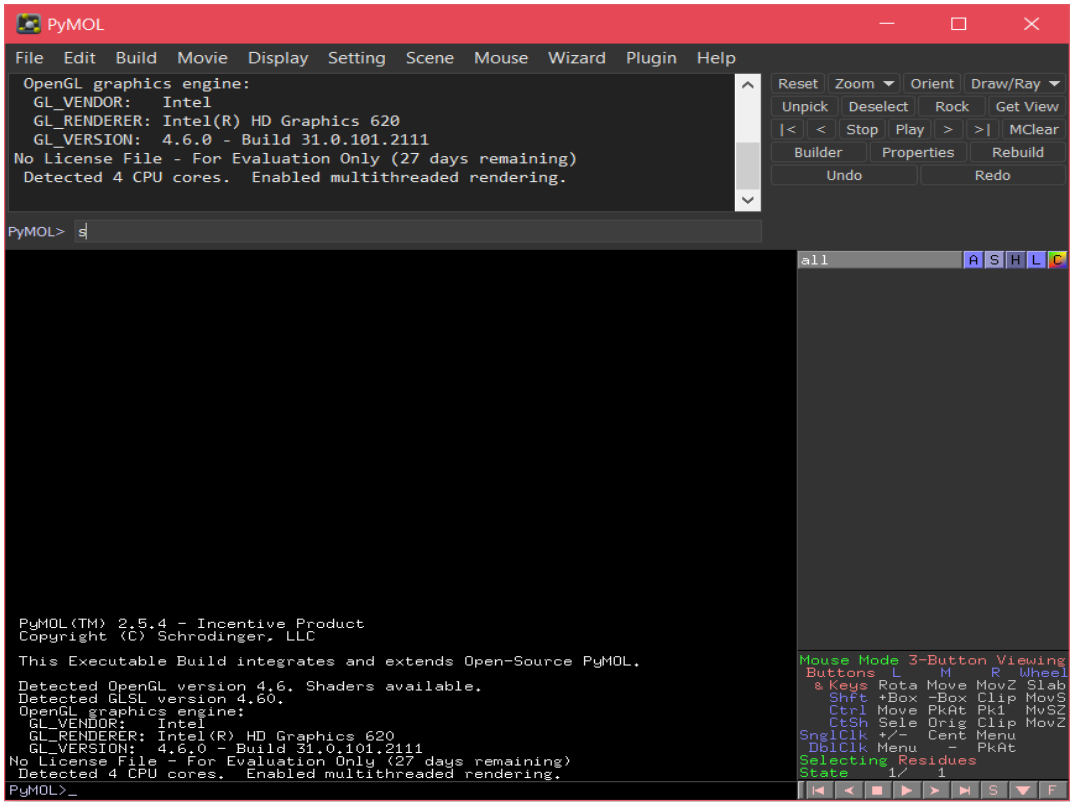
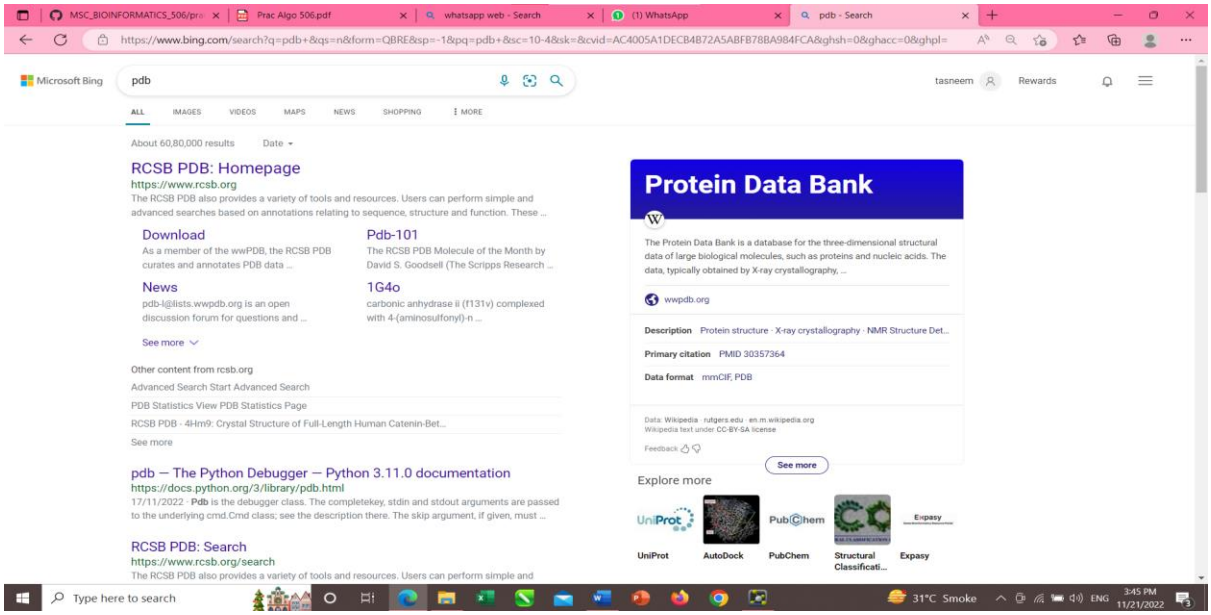
- When done downloading install the software.
- This is how the interface of the software looks like.

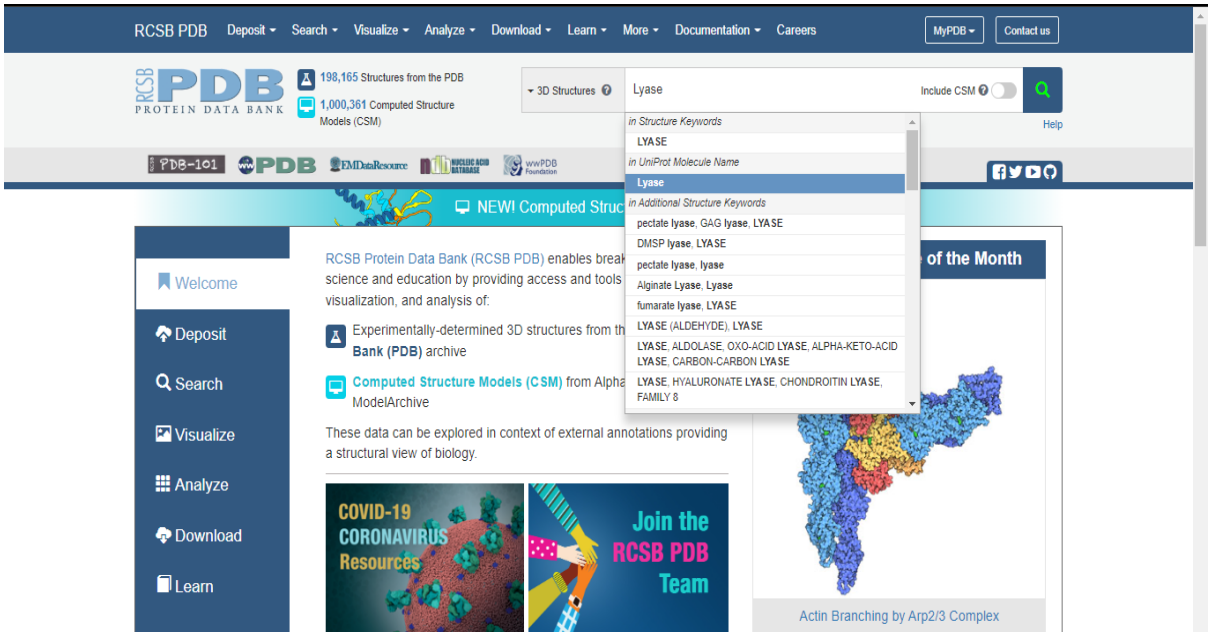


- Downloading Protein in .pdb format

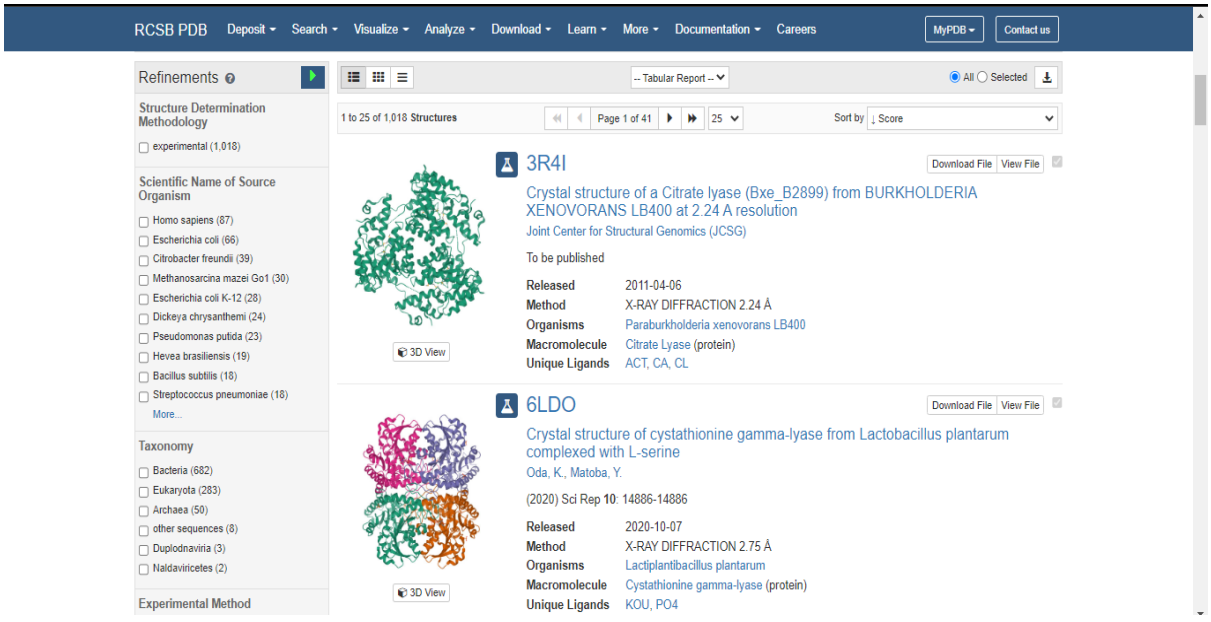
To download Protein open, google and search pdb or simply visit https://www.rcsb.org/



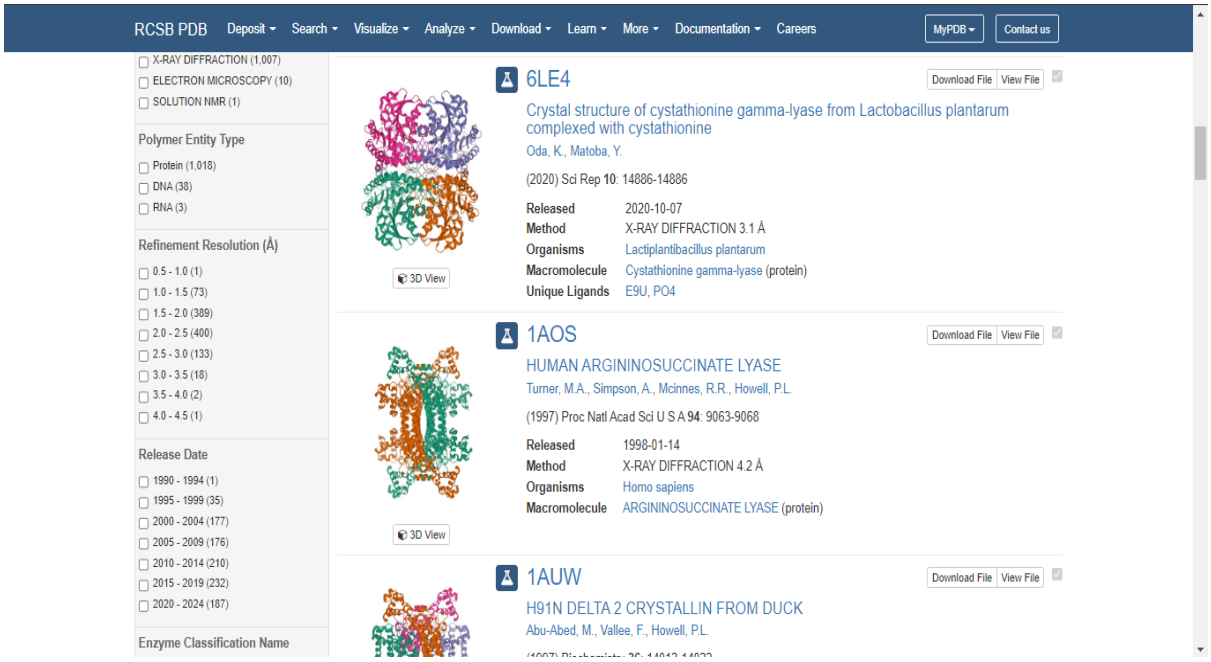
- Open the first link named “RCSB PDB: Homepage”
- On the search bar search for “Lyase”



- You’ll see all the proteins listed below like this

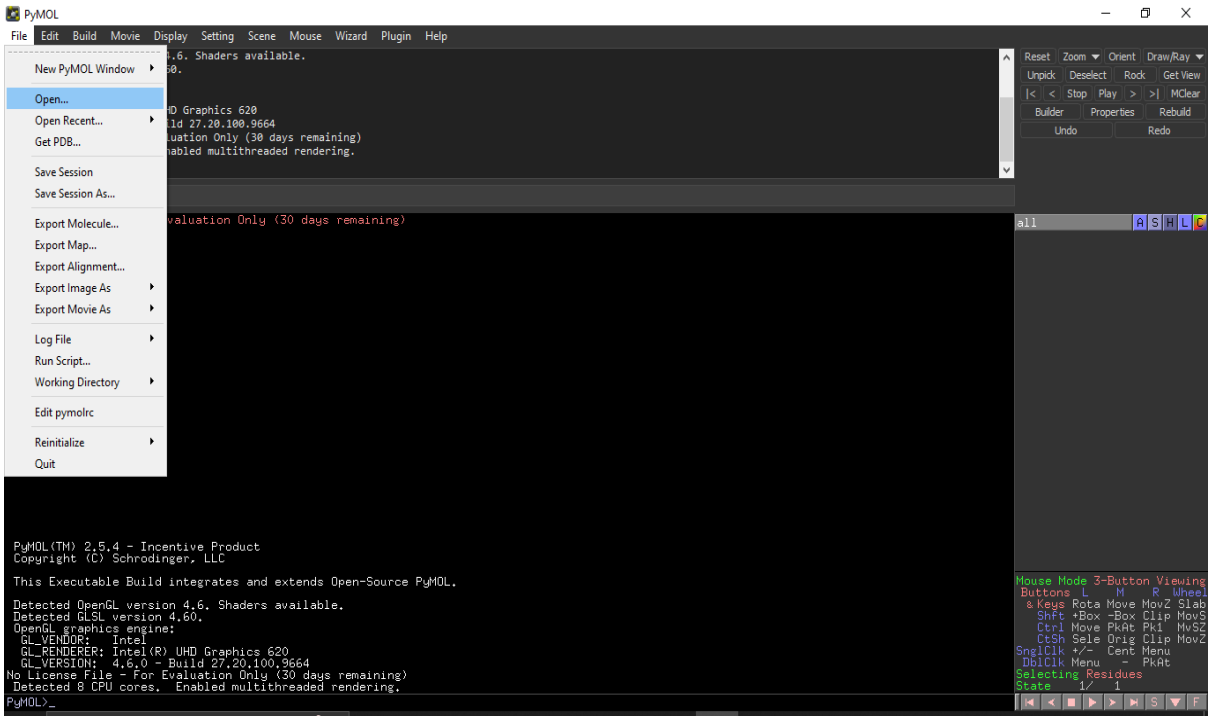


- Scroll down until you find “6LE4” and open it or you can directly search for “6LE4”

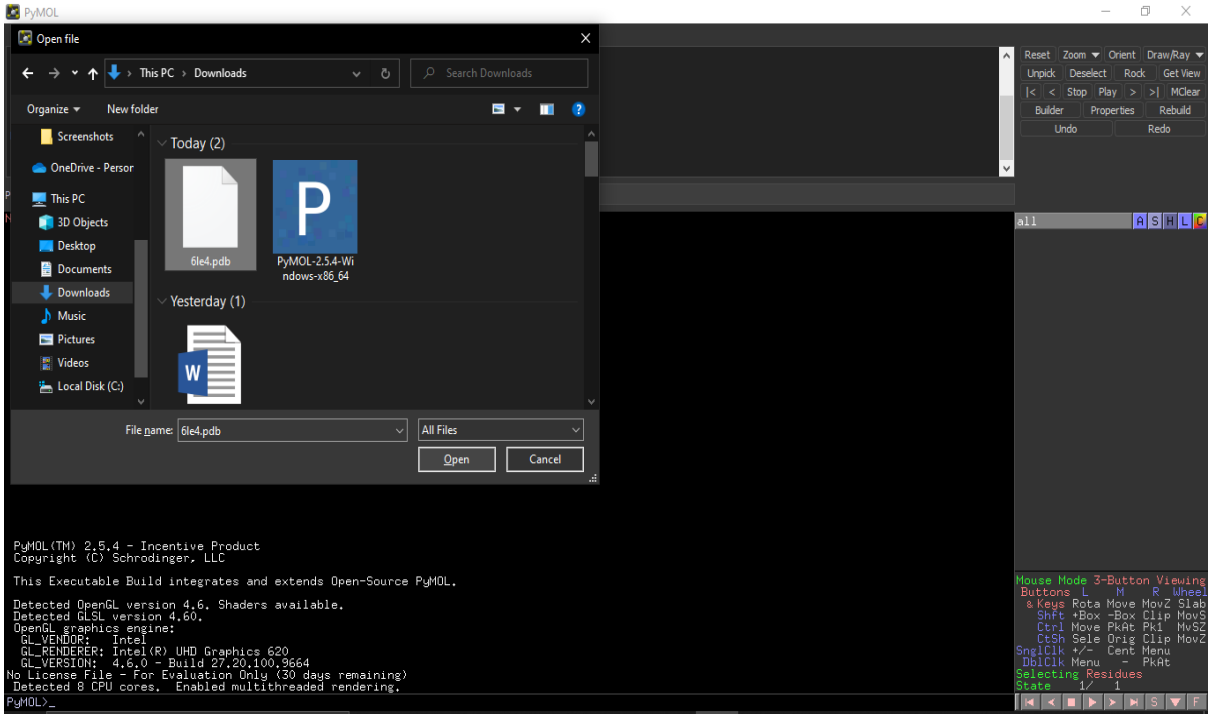


- On the right-hand side, you'll the download option. Click on it and download as PDB format

- Now that protein is downloaded open PyMOL and on top left corner click File > open



- Now browse for the file you just downloaded (6le4.pdb)



- This is how the screen of imported file looks like

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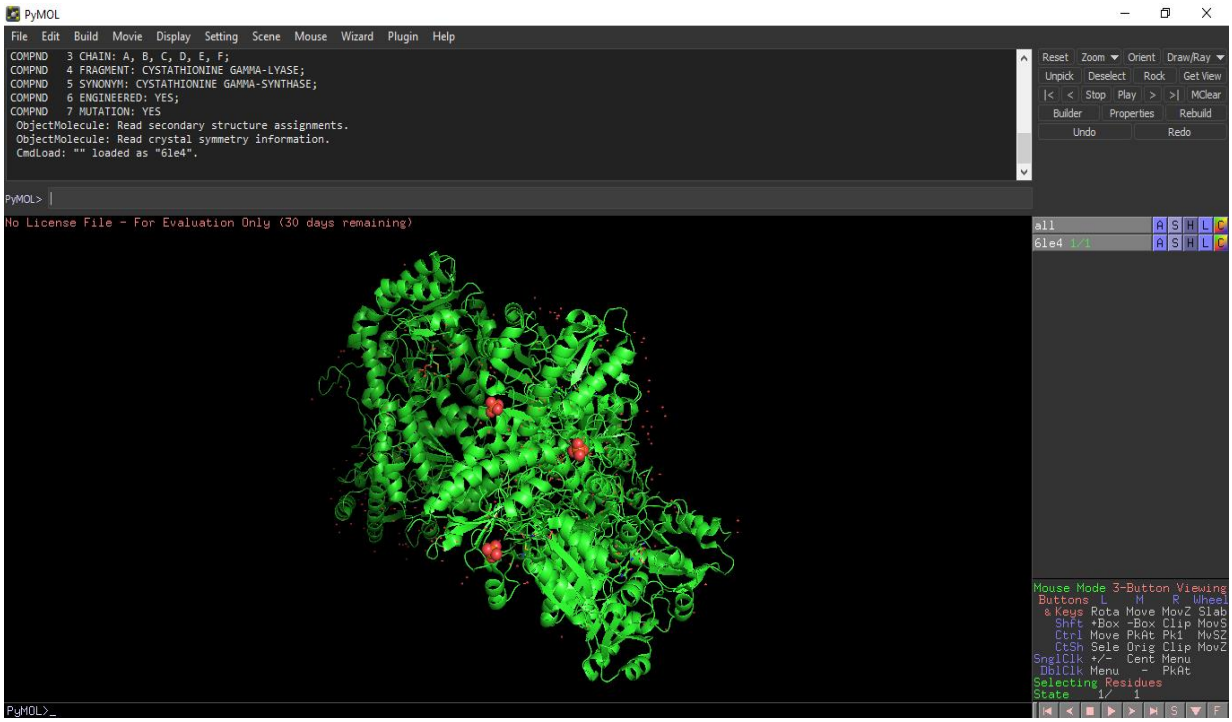

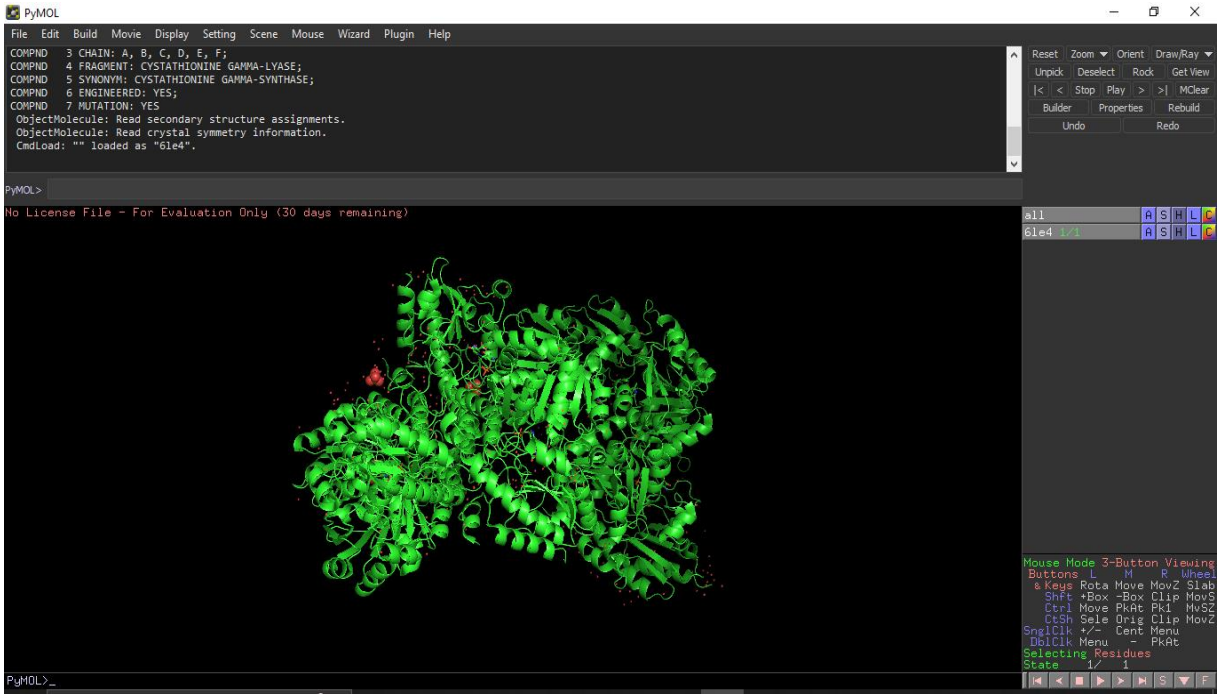

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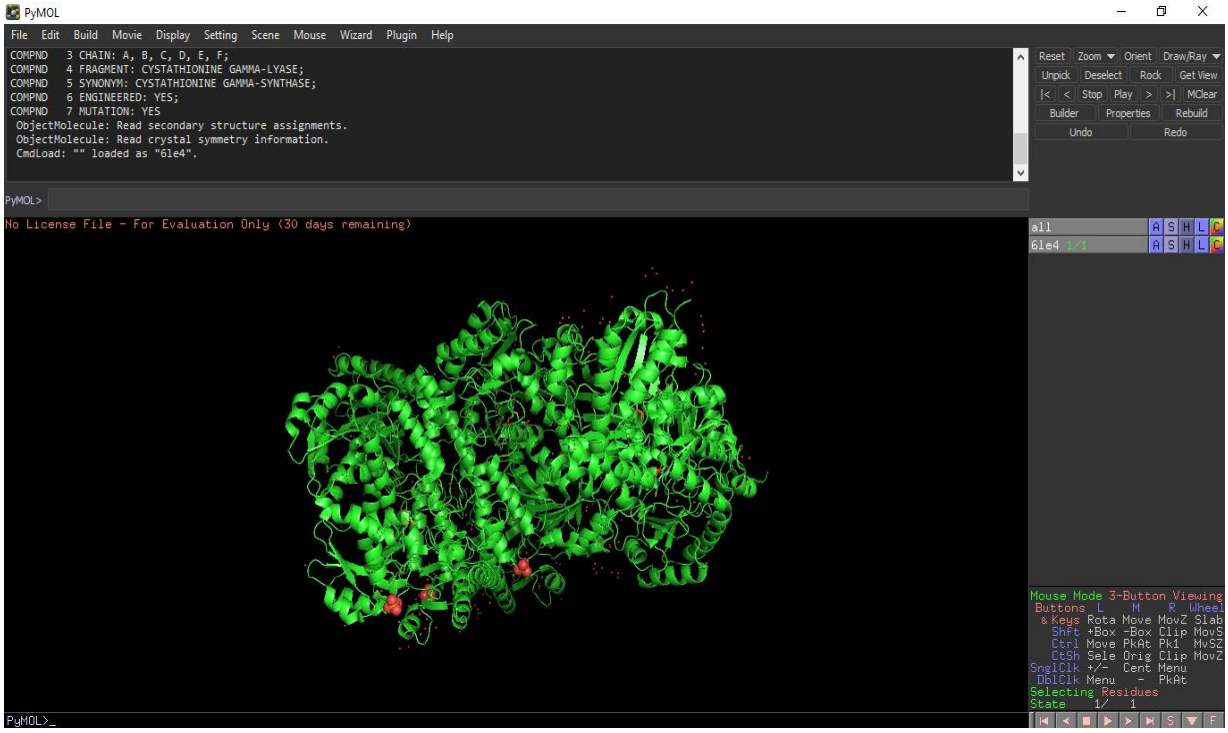

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