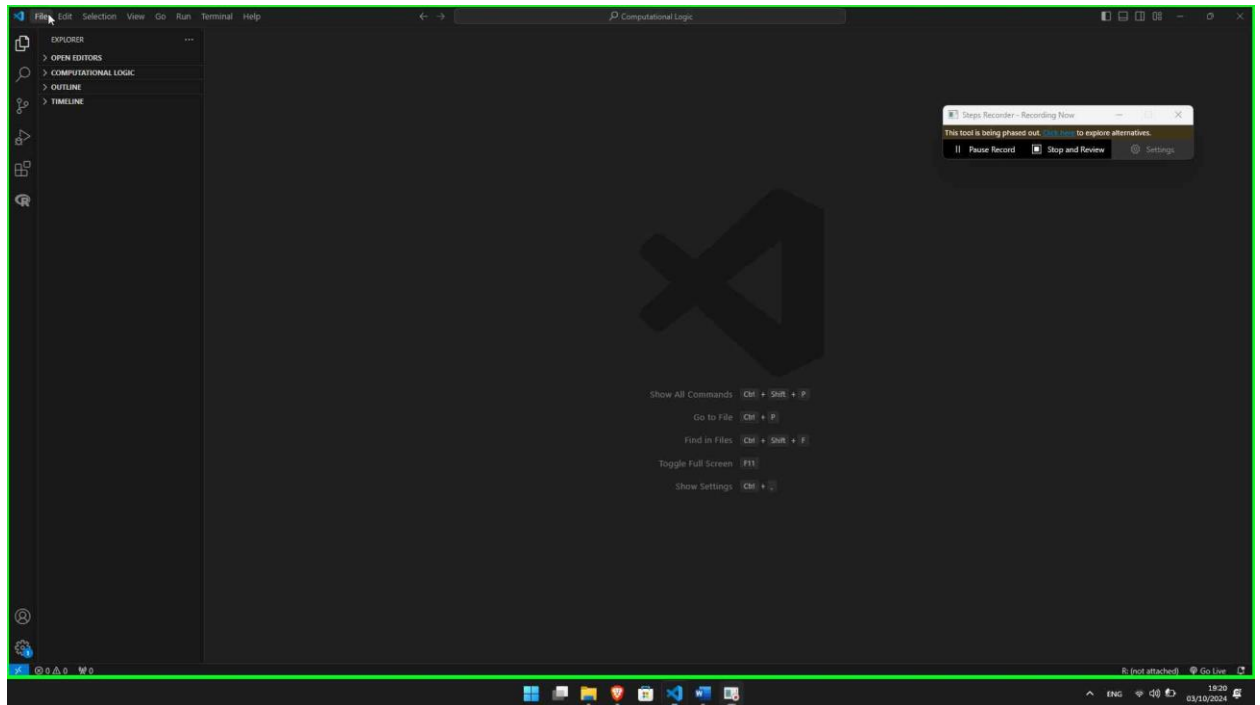
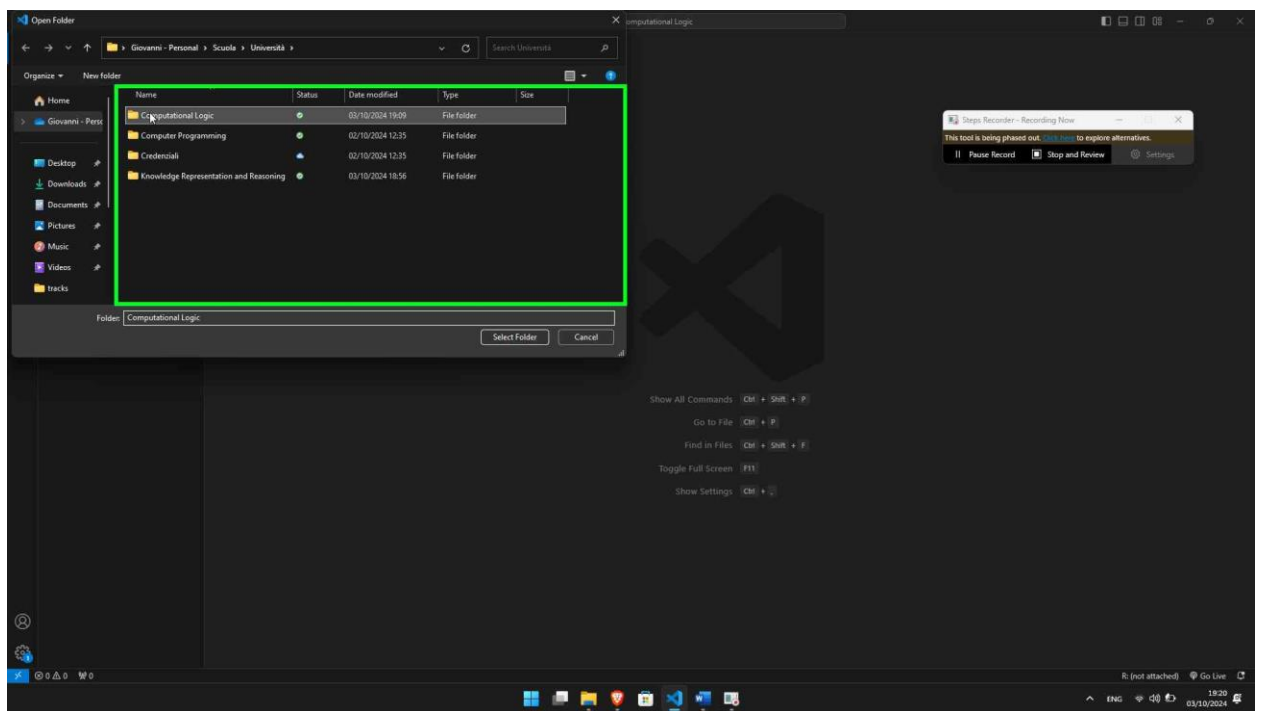
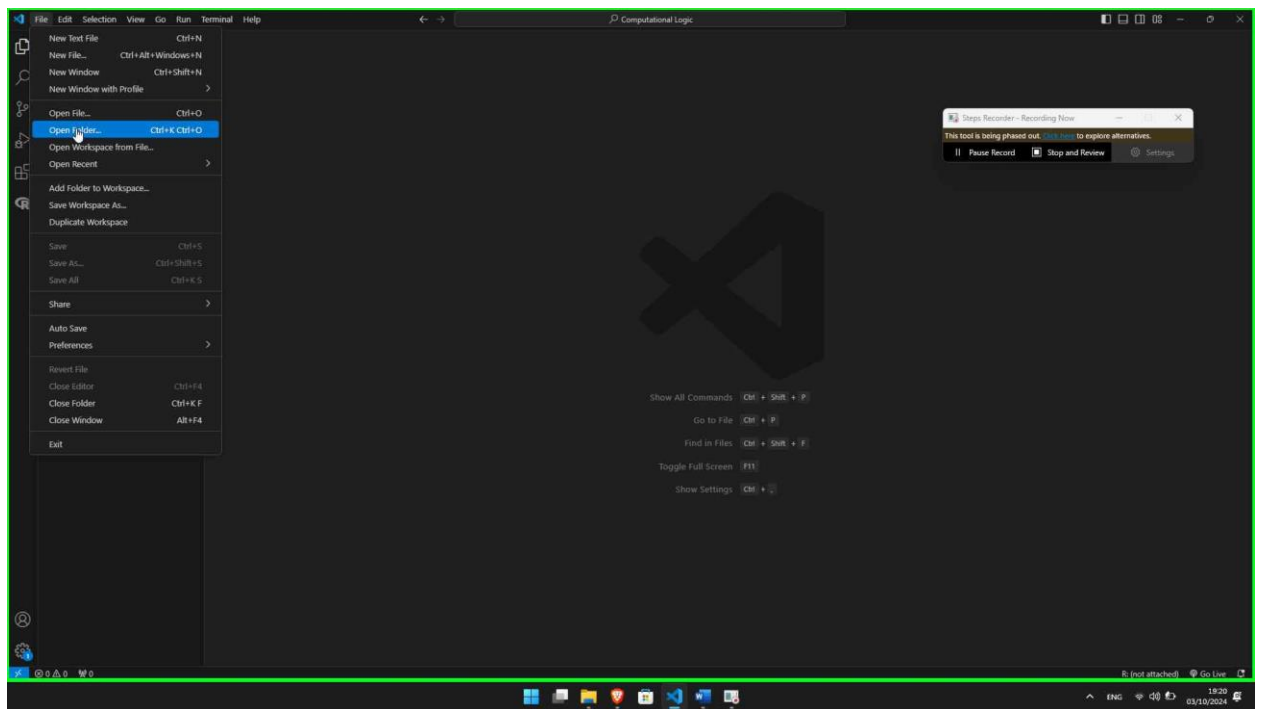
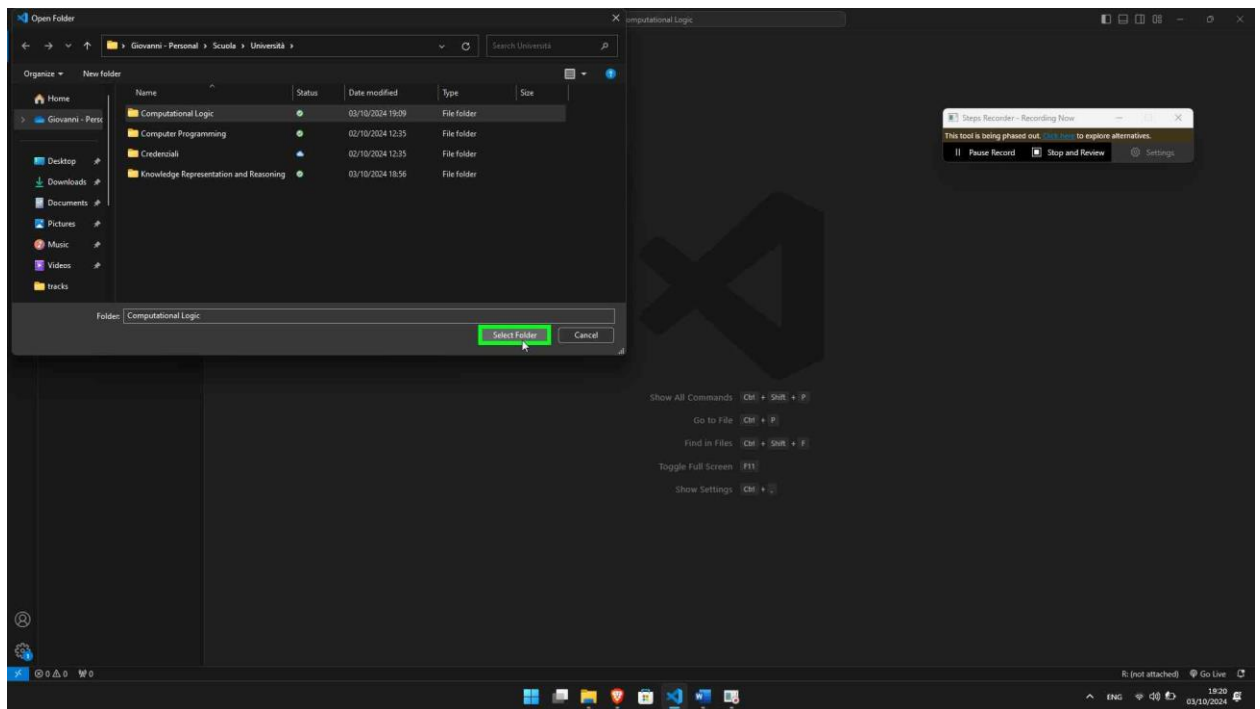


# Using Z3 in Visual Studio Code:

1. Open Visual Studio Code (if not installed download it at <https://code.visualstudio.com/download>)
2. Open (or create then open) your *Computational Logic* folder:  
Go to *File > Open Folder >* select your folder

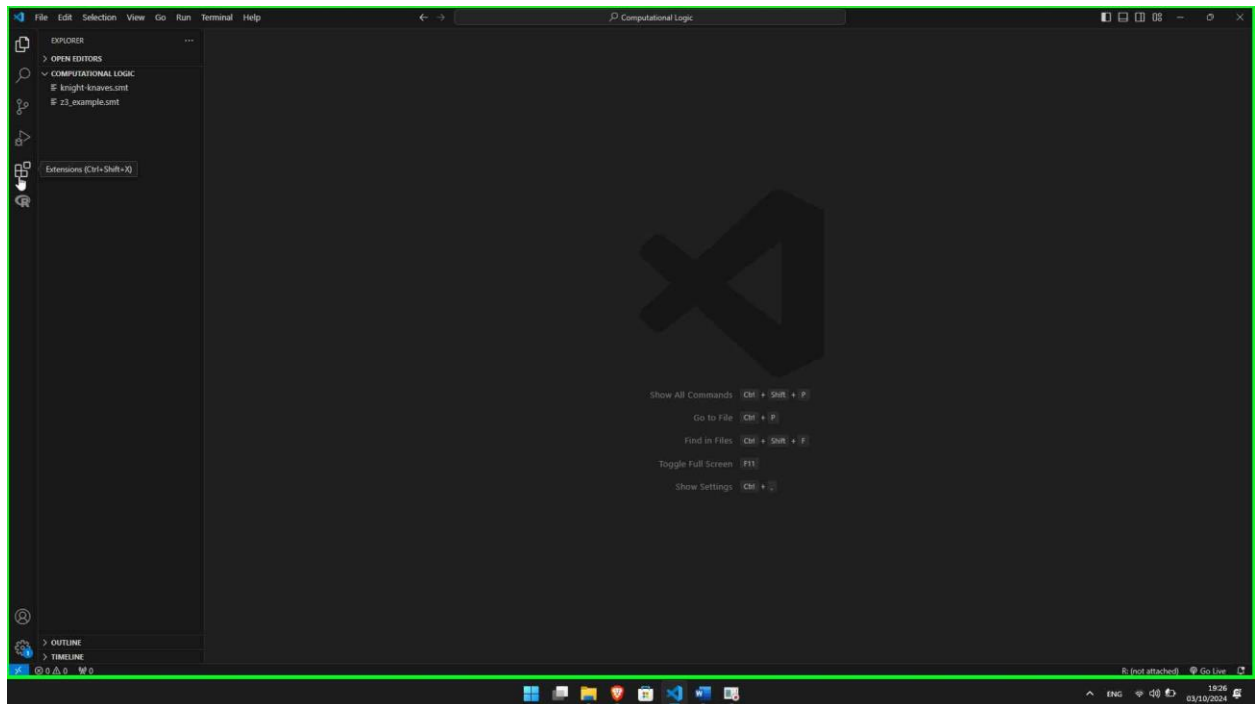


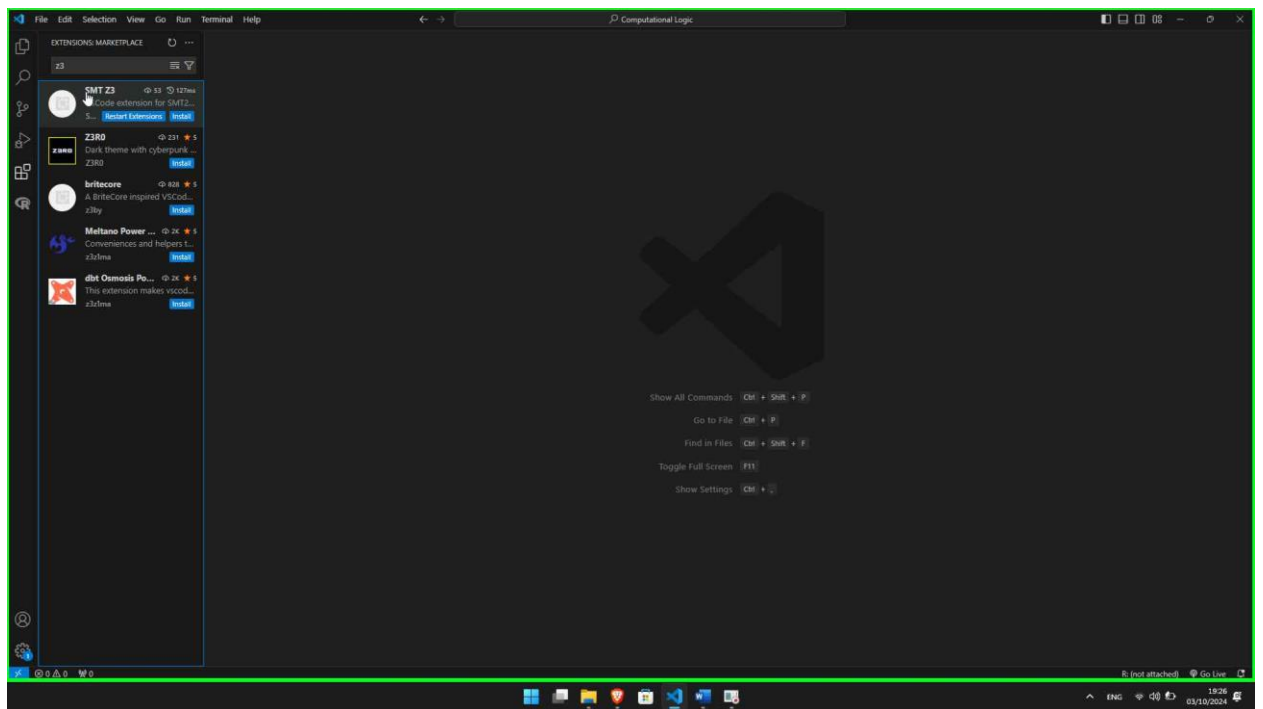
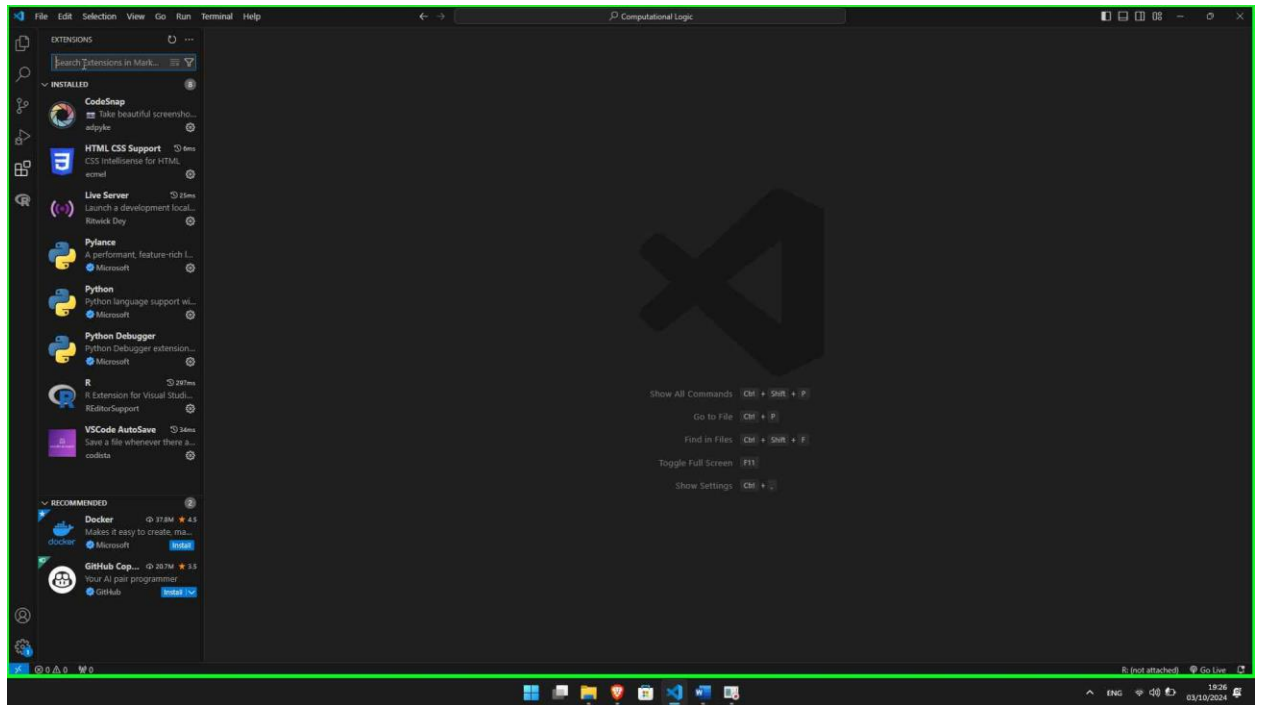


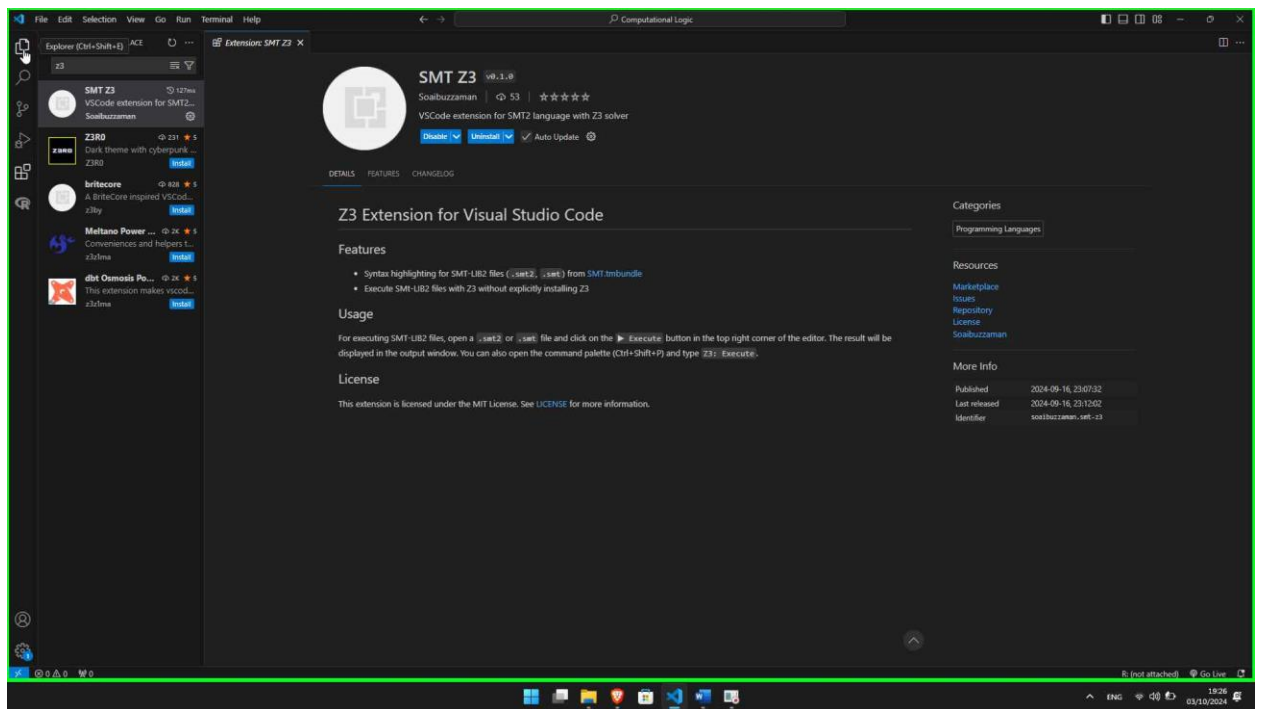
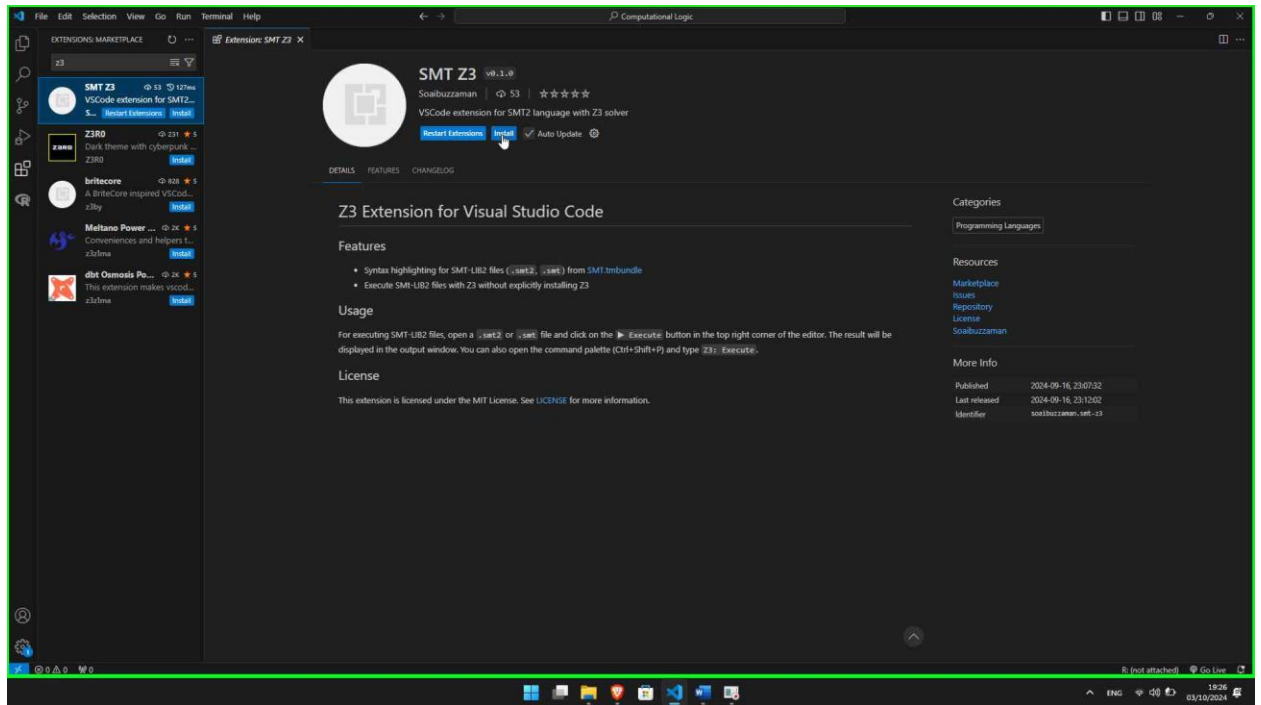


### 3. Install z3 extension in VS Code:

Click on *Extensions* > search “z3” > select “SMT Z3” > click *Install* > return to *Explorer*







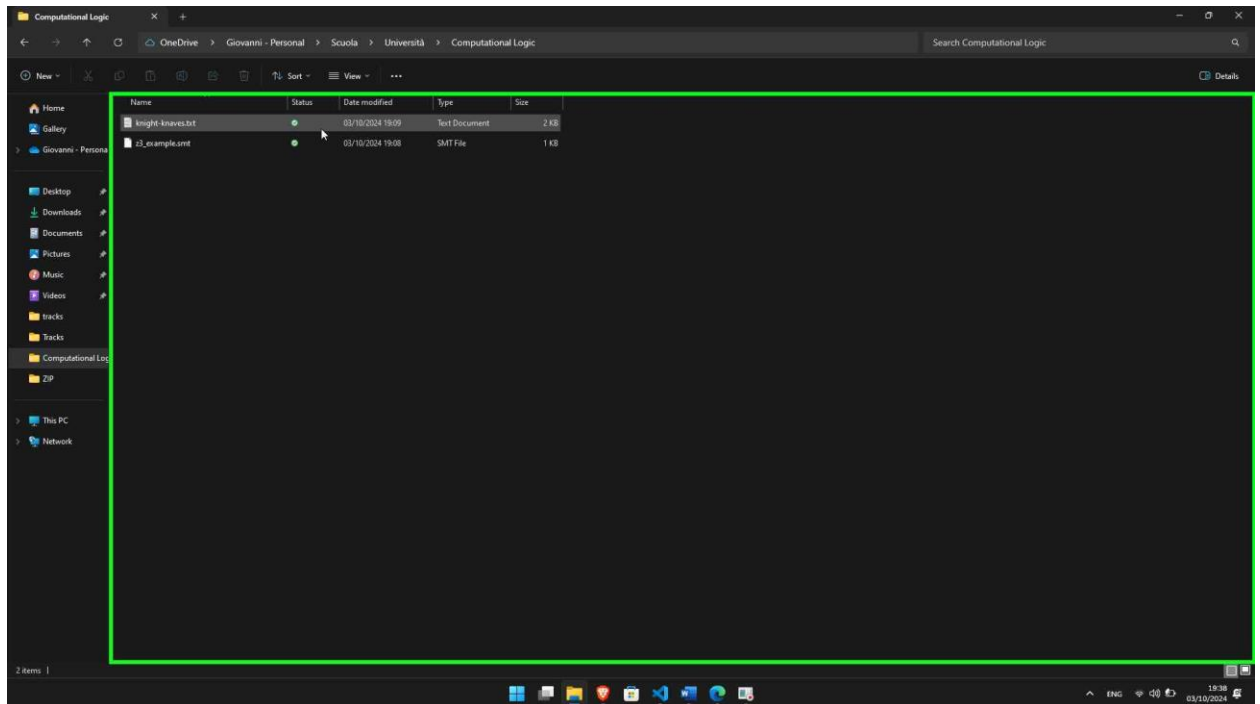
4. Close SMT Z3 extension Tab

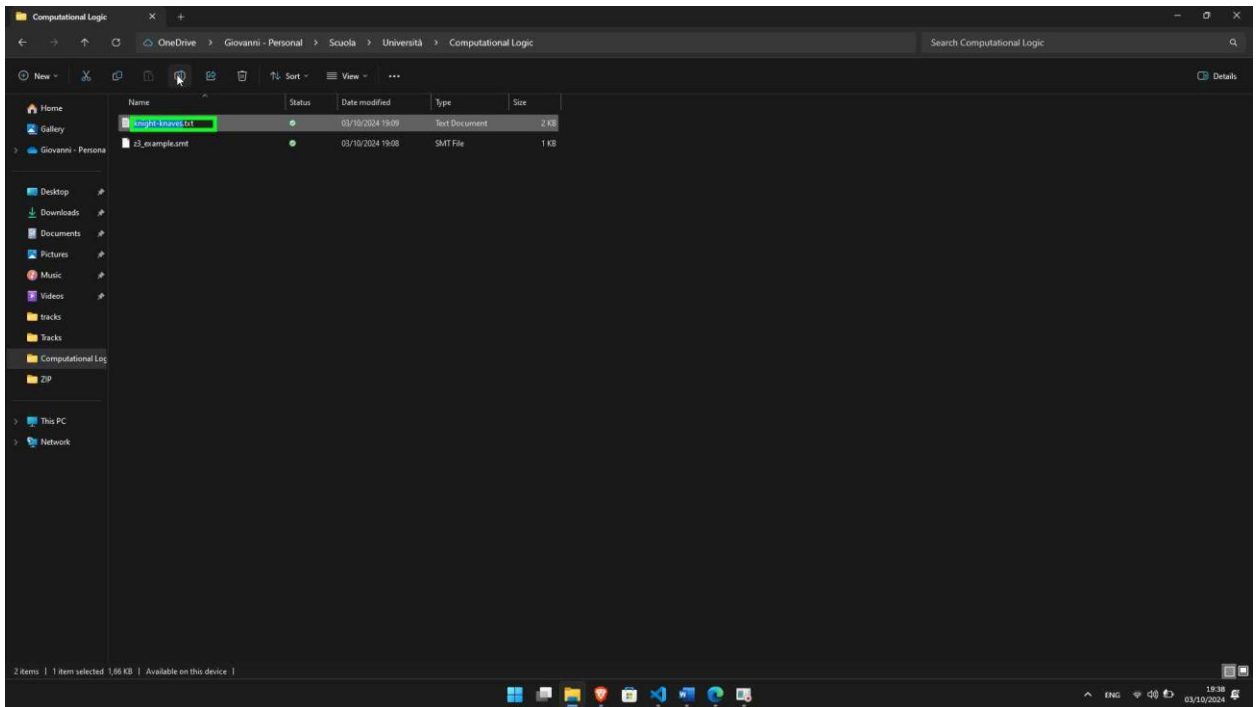
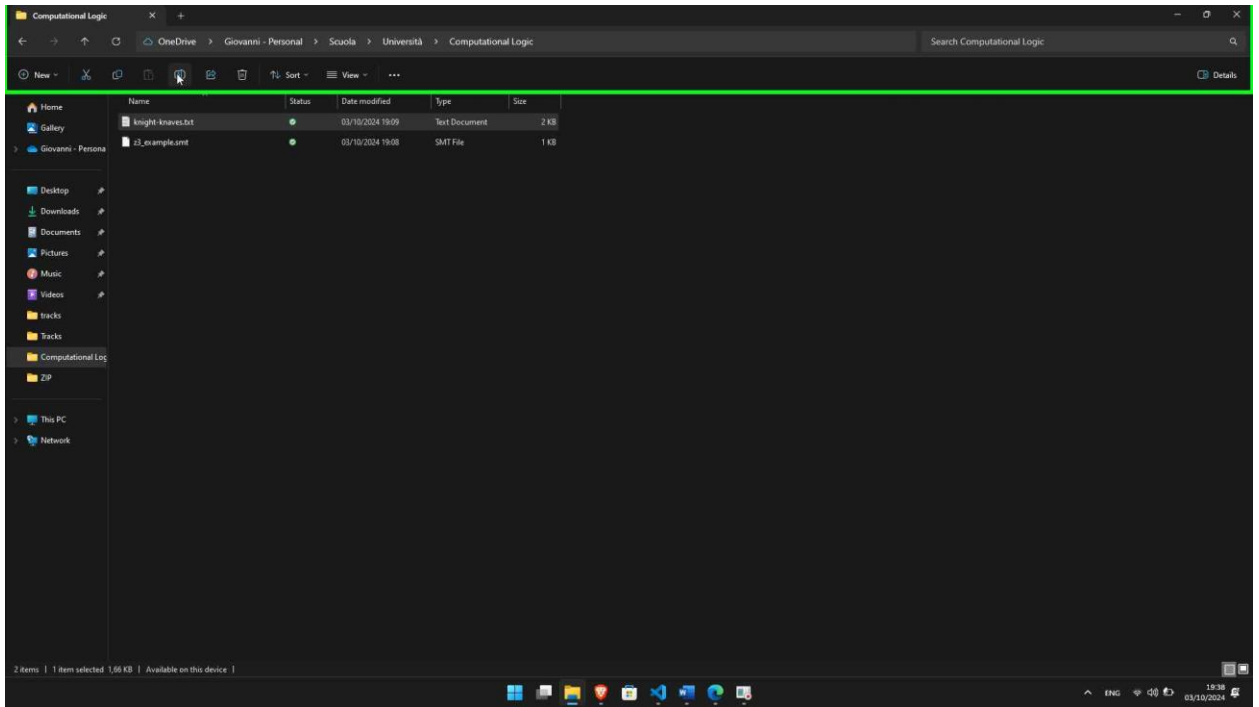
5. Download from GDrive one or more examples given by Prof. Silvio Ghilardi  
*Exercises > basic\_material > Examples*  
(save them in your *Computational Logic* folder)

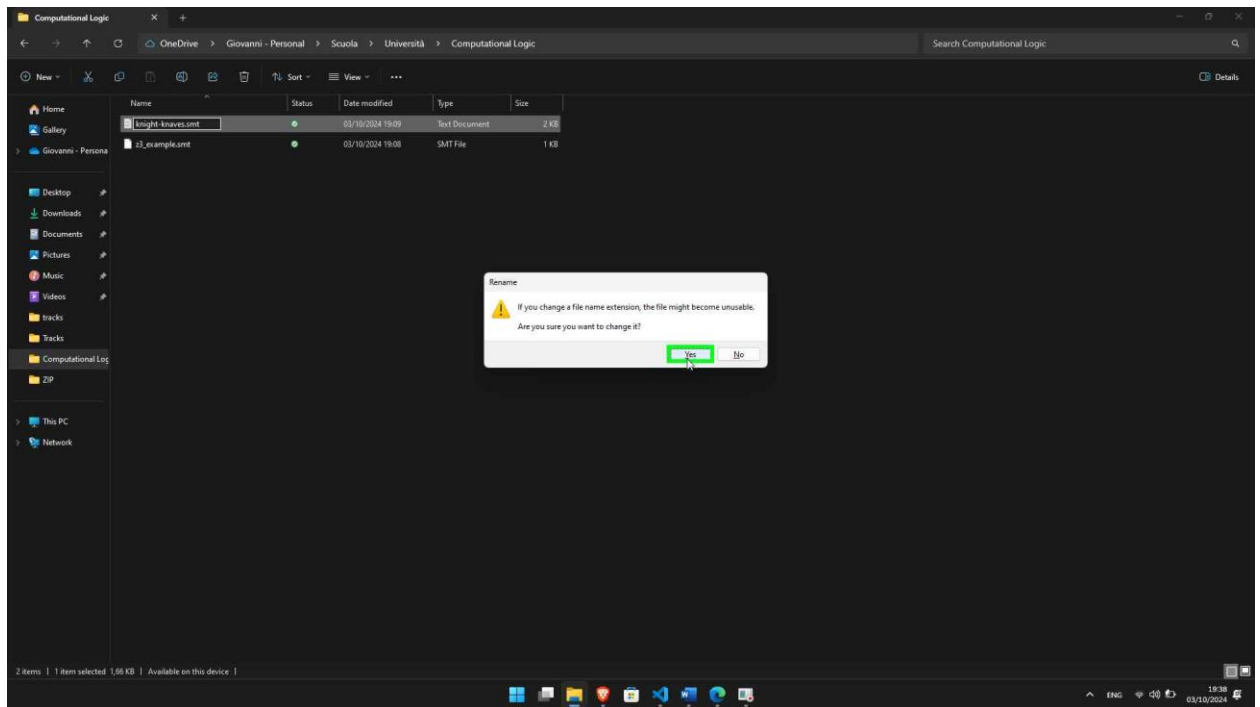
6. Change every file extension from *.txt* to *.smt*

Cannot see file extensions? Follow these steps:

1. Windows 10: <https://www.youtube.com/watch?v=-Rxh0Y-fEKk>
2. Windows 11: <https://www.youtube.com/watch?v=xQa140S8JIQ>
3. MacOS: <https://www.youtube.com/watch?v=AVC9i6zP8L0>

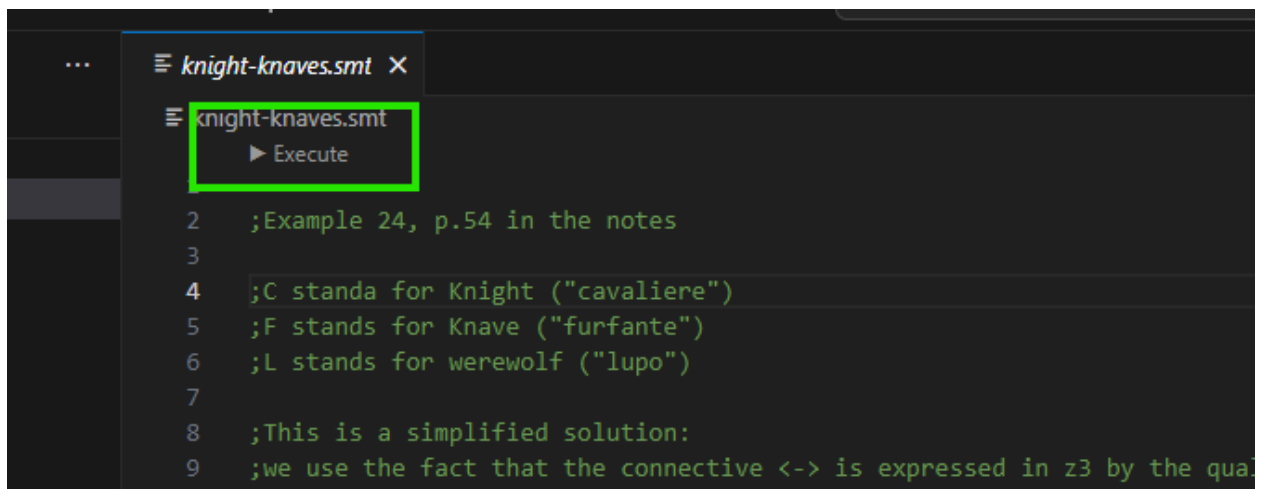






7. Oper your .smt file in VS Code

8. Click On *Execute*



A second tab should open on the left showing the output:



