- Start with **technical_analysis.py**

- run the command **python technical_analysis.py** in terminal

- Make Sure **patterns.pkl** , data file (for this case SPY1.csv) , **technical_analysis.py** , **options.py** , **pattern_library.py** , **Pattern.py** , **patterns.py** , **IMPORTANT_POINTS.py** , **date_validity.py** , **clean.py** are in the same folder

- It will display the list of options:
  → Technical Analysis
  → Guess
  → Pattern Info
  → Add Pattern
  → Save
  → Delete
  → Exit

- Technical Analysis gives a list to select pattern option, outputs the list of patterns found and displays the graph of chosen pattern (from patterns found)
- Guessing gives a list to select pattern option, takes date as input, search for guessed pattern for a valid date and valid trading date and displays the graph of guessed pattern.
- Pattern Info gives a list of patterns available and displays the attribute of pattern selected.
- Add Pattern takes the attributes of the new pattern as input and adds it to the list. NOTE : Save it, once added, to update the patterns storage file.
- Save updates the patterns storage file.
- Delete Pattern gives a list of patterns available and deletes the selected pattern. NOTE : Save it, once deleted, to update the patterns storage file.
- Default data file is './SPY1.csv' , change it to use other data sets.
- In function start_technical_analysis(), R is set as 1.05, bump_factor = 1.0, OHLCV = 'Close'