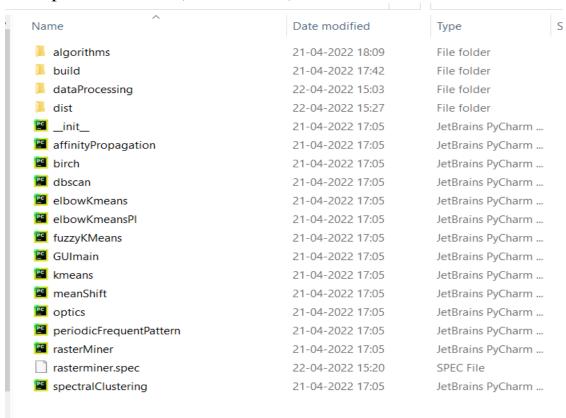
How to convert python package into an executable file(.exe):

- 1. Create main folder and create a folder named as GUI inside the main folder.
- 2. Place all your python program files in the GUI folder.

Example: rasterMiner\RasterMiner\GUI



3. Open GUI folder path in the terminal and install pyinstaller in the terminal using the following command: pip install pyinstaller

```
PS C:\Users\Raashika\PycharmProjects\rasterMiner\RasterMiner\GUI> pip install pyinstaller

Using cached pyinstaller-5.0-py3-none-win_amd64.whl (2.0 MB)

Requirement already satisfied: setuptools in c:\users\raashika\pycharmprojects\rasterminer\venv\lib\site-packages (from pyinstaller) (57.0.0)

Requirement already satisfied: pefile>=2017.8.1 in c:\users\raashika\pycharmprojects\rasterminer\venv\lib\site-packages (from pyinstaller) (2021.9.3)

Requirement already satisfied: altgraph in c:\users\raashika\pycharmprojects\rasterminer\venv\lib\site-packages (from pyinstaller) (0.17.2)

Requirement already satisfied: pywin32-ctypes>=0.2.0 in c:\users\raashika\pycharmprojects\rasterminer\venv\lib\site-packages (from pyinstaller) (0.2.0)

Requirement already satisfied: pyinstaller-hooks-contrib>=2020.6 in c:\users\raashika\pycharmprojects\rasterminer\venv\lib\site-packages (from pyinstaller) (0.18.2)

Requirement already satisfied: future in c:\users\raashika\pycharmprojects\rasterminer\venv\lib\site-packages (from pyinstaller) (0.18.2)

Installing collected packages: pyinstaller

Successfully installed pyinstaller-5.0
```

This library is used to convert python package into .exe files

4. Execute the following command to create .exe file

Command: pyinstaller pythonfileName --onefile

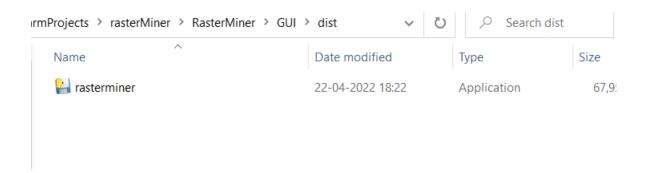
To execute it effectively you can also use the below command

Command: pyinstaller pythonfileName --noconsole --onefile

Example: pyinstaller rasterminer.py --noconsole -onefile

```
PS C:\Users\Raashika\PycharmProjects\rasterMiner\RasterMiner\GUI> pyinstaller rasterminer.py --noconsole --onefile
697 INFO: PyInstaller: 5.0
698 INFO: Python: 3.9.12
710 INFO: Platform: Windows-10-10.0.19043-SP0
712 INFO: wrote C:\Users\Raashika\PycharmProjects\rasterMiner\RasterMiner\GUI\rasterminer.spec
718 INFO: UPX is not available.
721 INFO: Extending PYTHONPATH with paths
['C:\\Users\\Raashika\\PycharmProjects']
1090 INFO: checking Analysis
1129 INFO: Building because inputs changed
```

After executing this command, a folder named dist is created and an executable file is created in the dist folder named as "pythonfileName.exe"



Double click on the exe file.