Lazy Command

-LazyCmd.py

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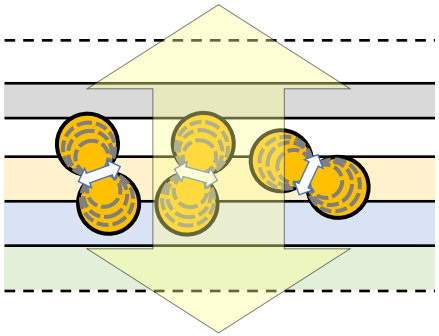
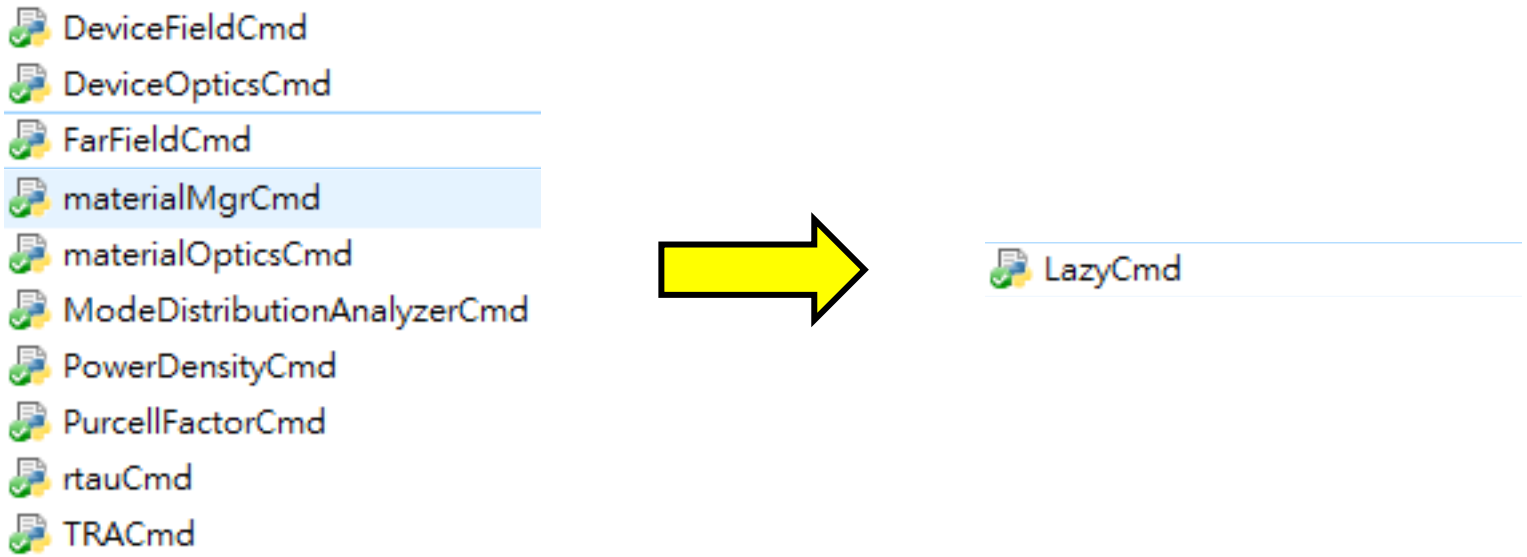


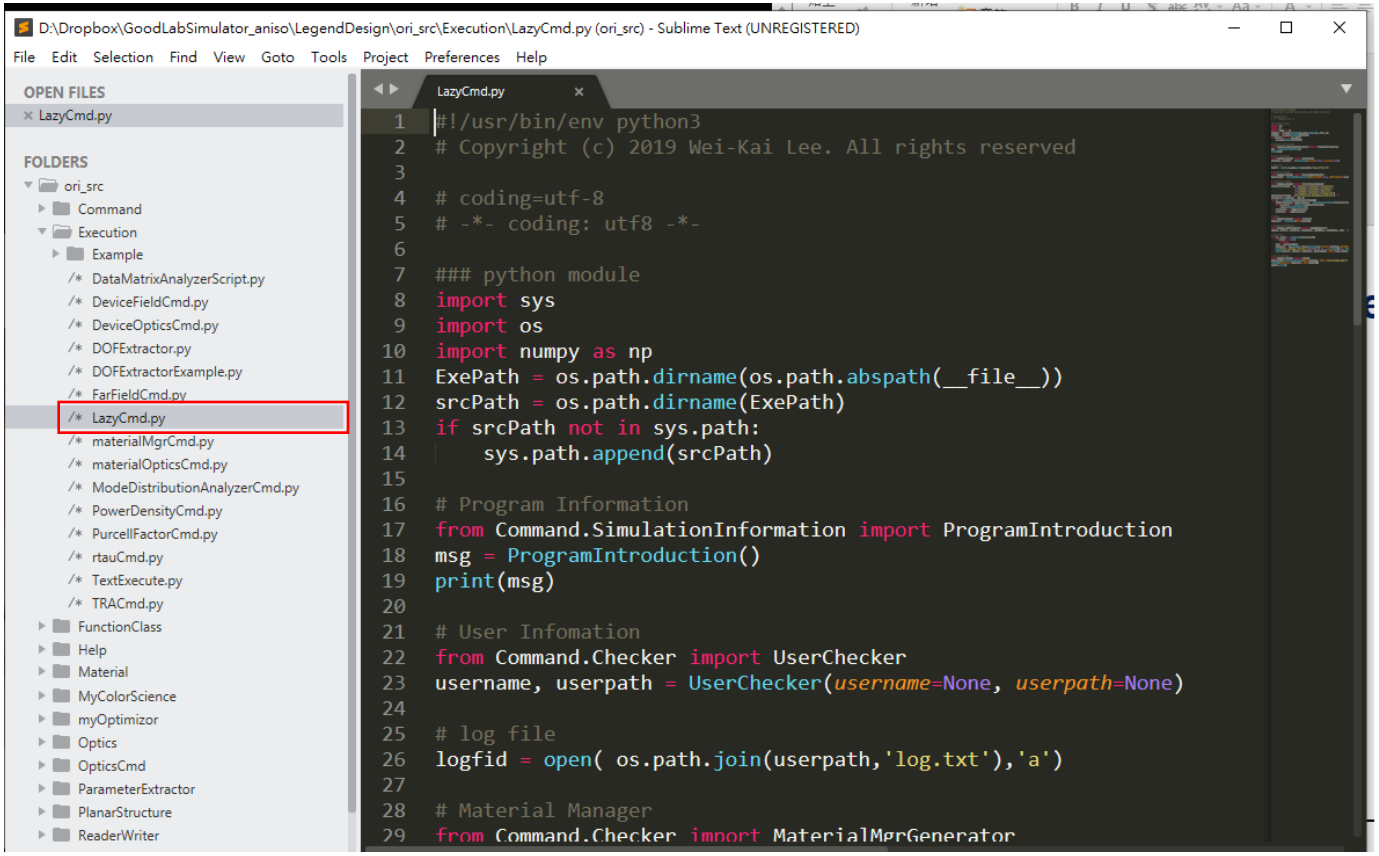
Objective

- If the user thick the command line is too hard to use, we also develop a simple version for execution.



How to execute

- Open Lazy.py by text editor.



Edit Lazy.py

- Structure list file path and name.

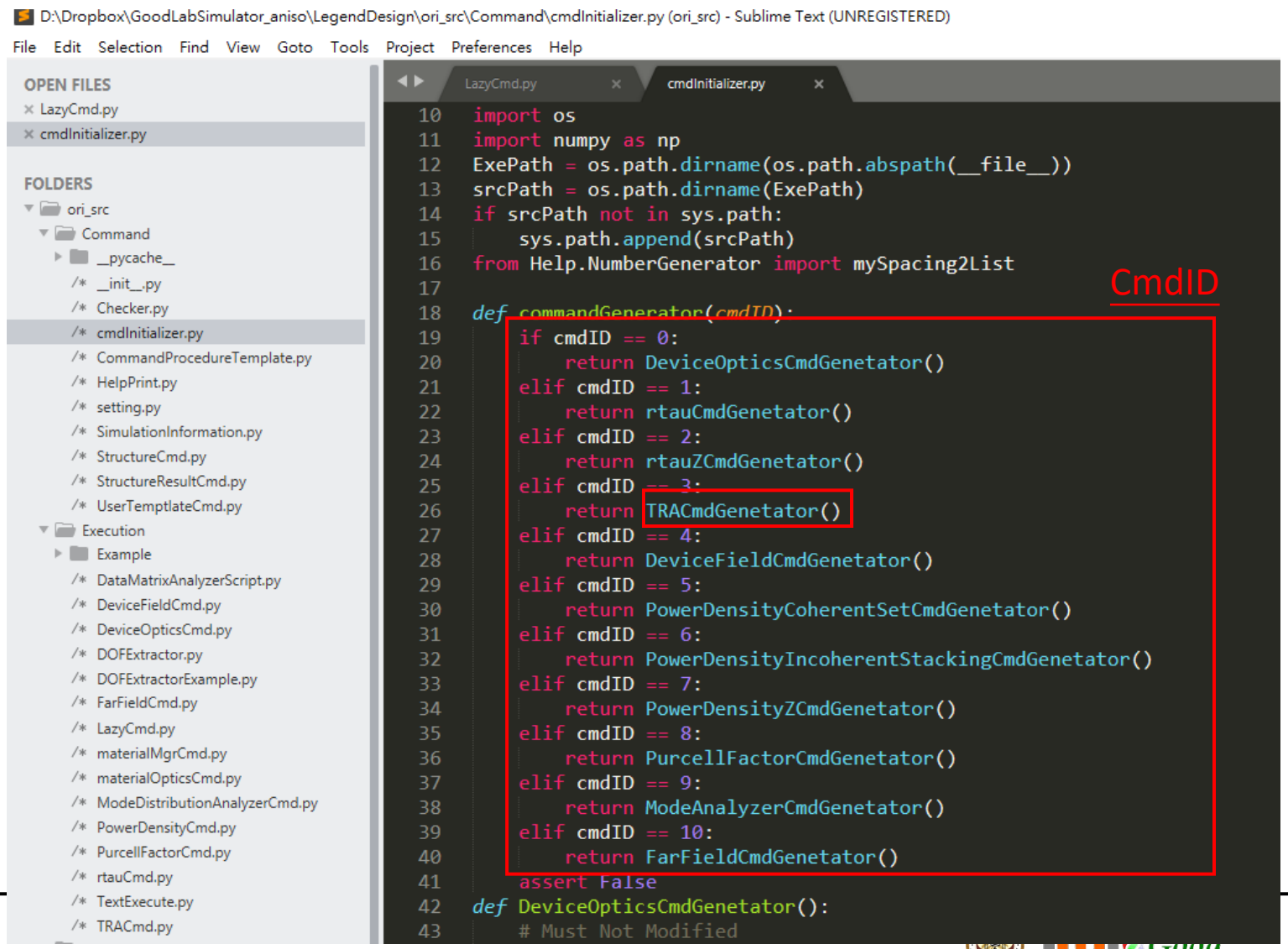
```
structureListpath = ['.\\Example\\structure\\Convention',
                     '.\\Example\\structure\\Transparent']
structureListfname = ['structureList-ModeAnalyzerCmd.txt',
                      'structureList-ModeAnalyzerCmd.txt']
```

- Choose function

```
50  # execution
51  from TextExecute import LazyCmdExecute
52  LazyCmdExecute(structList, sLineList, MaterialMgr, cmdID=9)
```

Command ID in the next

Edit cmdInitializer.py (setting)



Edit cmdInitializer.py (setting)

- Open cmdInitializer.py by text editor.

```
117 def TRACmdGenetator():
118     # Must Not Modified
119     calThick, calEMLBool, calWVBool, calPOSBool =True, False, False, False
120     from OpticsCmd.WaveOpticsCmd.PlanarOpticsCmd import TRA
121     cmdFun = TRA.run.runTRA_Structure
122     SetDict = TRA.setting._TRADict.copy()
123     SetDict['SAVE_RUN_TIME_RESULT'] = False
124     # Can be Modified
125     SetDict['WAVELENGTH'] = mySpacing2List(380,780,10)
126     SetDict['THETA'] = mySpacing2List(0,90,1)
127     SetDict['PHI'] = [0]
128     SetDict['KXKO'] = mySpacing2List(0,1,0.1)
129     SetDict['KYKO'] = mySpacing2List(0,1,0.1)
130     SetDict['DIRECTION'] = 'TOP'
131     SetDict['RUN_TIME_WRITEMATRIX'] = False
132     SetDict['RUN_TIME_PLOT_VS_WV'] = False
133     SetDict['RUN_TIME_PLOT_VS_XY'] = False
134     SetDict['RUN_TIME_PLOT_CONTOUR'] = False
135     Mode='ANGLE'
136     return cmdFun, SetDict, calThick, calEMLBool, calWVBool, calPOSBool, Mode
137 def DeviceFieldCmdGenetator():
138     # Must Not Modified
139     calThick, calEMLBool, calWVBool, calPOSBool =True, True, True, True
140     from OpticsCmd.WaveOpticsCmd.SourceOpticsCmd import DeviceField
141     cmdFun = DeviceField.run.runDFz_Structure
142     SetDict = DeviceField.setting._DFDict.copy()
143     SetDict['SAVE_RUN_TIME_RESULT'] = False
144     # Can be Modified
145     SetDict['KTKO']     = mySpacing2List(0,1,0.1)
146     SetDict['THETAKT']  = np.array([0], dtype=np.float64)
147     SetDict['KXKO']     = mySpacing2List(-1,1,0.1)
148     SetDict['KYKO']     = mySpacing2List(-1,1,0.1)
149     SetDict['Z']        = mySpacing2List(-50,50,1)
150     # Run time bool
151     SetDict['RUN_TIME_PLOT'] = False
152     # Write E, H
153     SetDict['WRITE_E'] = True
154     SetDict['WRITE_H'] = True
```