17-Jan-2019

* Remove [\\GST\\PDB\\](file:///\\GST\\PDB\\) in the line:

aln.append\_model(mdl, align\_codes=pdb+chain, atom\_files=

and replace that with [\\Data\\"+mydir+"\\PDB\\"+pdb+'.pdb](file:///\\Data\\%22+mydir+%22\\PDB\\%22+pdb+'.pdb)') .

* Try the wget command, as the downloaded file format(.pdb) is different from the file format in the tutorial file(>Basic example>1bdm.pdb).

# url = "https://files.rcsb.org/download/"+pdb+".pdb" # Actual Code, The following one will not be valid code.

url = "https://files.rcsb.org/download/1bdm.pdb" # Just for Try

file1 = wget.download(url, os.getcwd()+"\\Data\\"+mydir+"\\PDB\\")

* Add Log generation code

os.makedirs(os.path.join(os.getcwd()+"\\Data\\",mydir+"\\PAP"))

os.makedirs(os.path.join(os.getcwd()+"\\Data\\",mydir+"\\Logs"))

# Gerenating Logs

sys.stdout = open(os.getcwd()+"\\Data\\"+mydir+"\\Logs\\ModellerGUI Log.txt", "w") # Printing Logs

22-Jan-2019

* Check this: <https://likegeeks.com/python-gui-examples-tkinter-tutorial/>

28-Jan-2019

* Working on the PDB file error (found 11 colons instead of 10 colons), and wrong PDB file format (the downloaded one) from the PDB file which is used in Tutorial.
  + Actually, this problem is in Model-Single.py, in the a.make().
* There are many problems in this Modeller GUI program
  + GUI not made correctly, needs upgradation.
  + Program hangs while printing logs file. Possibly Multi-Threading is necessary.
  + Ali file chooser button is not working correctly.
  + Model-Single.py is giving error.
  + GUI must be reporting while having any error.
* I am learning Threading and Classes in python.
* This project needs to restart again fresh.

28-Jan-2019

* Learning Python Multithreading to solve hanging issue of the app.

17-Feb-2019

* Creating 2 separate files
  + [1] Controller: Which holds the Modeller python scripts (whole logical codes).
  + [2] GUI: Which holds the GUI part.

18-02-2019

* I mailed the modeller team
  + 
  + 
  + Working on GUI as well as the logic code with multithreading.
  + Maybe I must follow this link: <https://salilab.org/archives/modeller_usage/2008/msg00110.html>

21-02-2019

* Mailed to Modeller team regarding our issue, they asked the error codes and the alignment file. Sent them.
* Working on the Threading

27-02-2019

* I think that Controller.py and GUI.py codes should be under one file as the threading is not working properly for different files simultaneously.

28-03-2019

* I got one possible error point in B0FGV7-5a2gA.ali file, as Ben (from Modeller team) suggests, the file having full path of PDB file, instead of just having name of it. Working of it.
* Now I am working on a separate code which eliminates the extra code.
  + We can remove the string and write that new string on that file
  + Or we take whole file as a string, work on it, and then make a new file with correct output and delete the old file.

29-03-2019

* Finally, I sorted out the error, now code is working.
* Now, there is an error in Model-Single.py