NAME: Rahul Dumpala
UIN: 01121330

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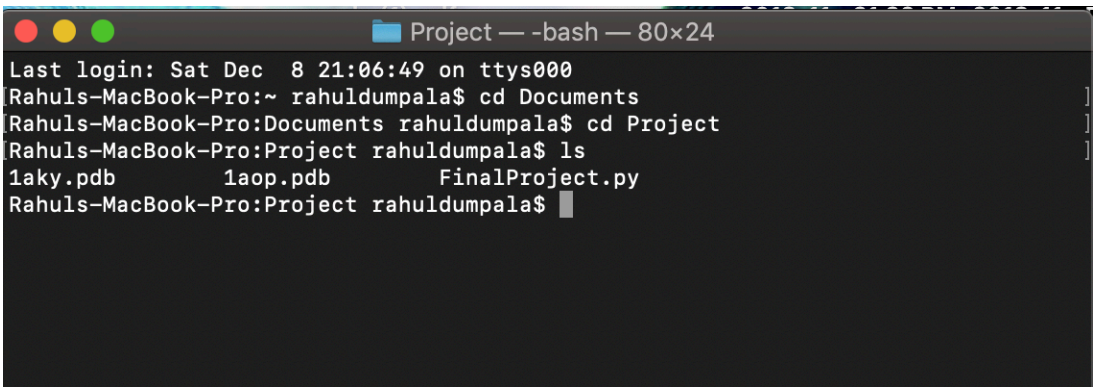
Project Report

Procedure for Running the program

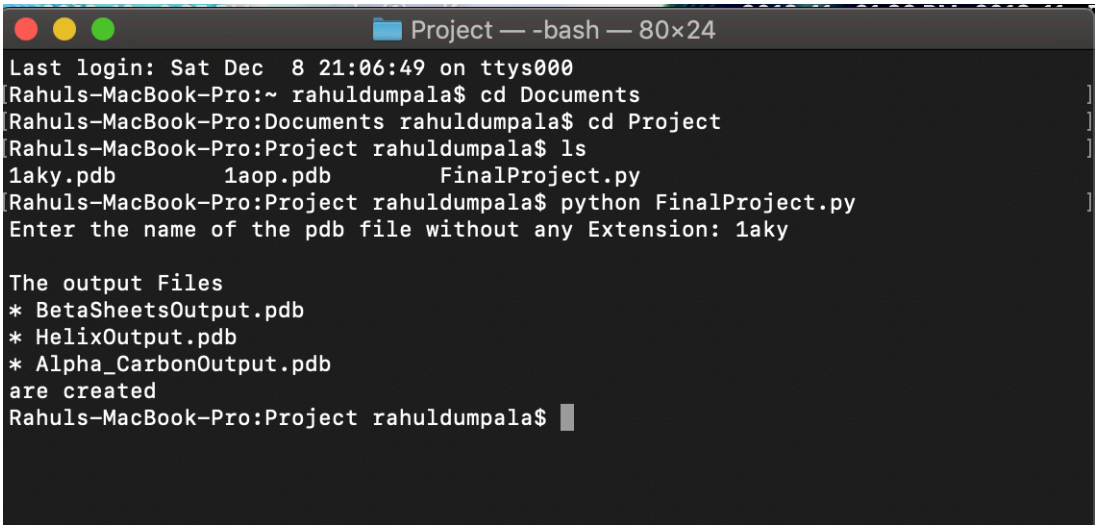
I wrote my code in python and executed using terminal

1. First Create a Folder named “Project “and download all the necessary pdb files that we want to test the code on and even keep the code file i.e., FinalProject.py in the same folder.
2. Now open terminal and navigate to the folder “Project”



3. Now give a command “python FinalProject.py”, the code will be executed.

4. The code will generate 3 pdb Output files after giving the input file name
   NOTE: Give file name without any Extension



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5. The Code will generate 3 Output files in the same folder

6. Now the generated Output files can be loaded in chimera, we get the following outputs

   HelixOutput:

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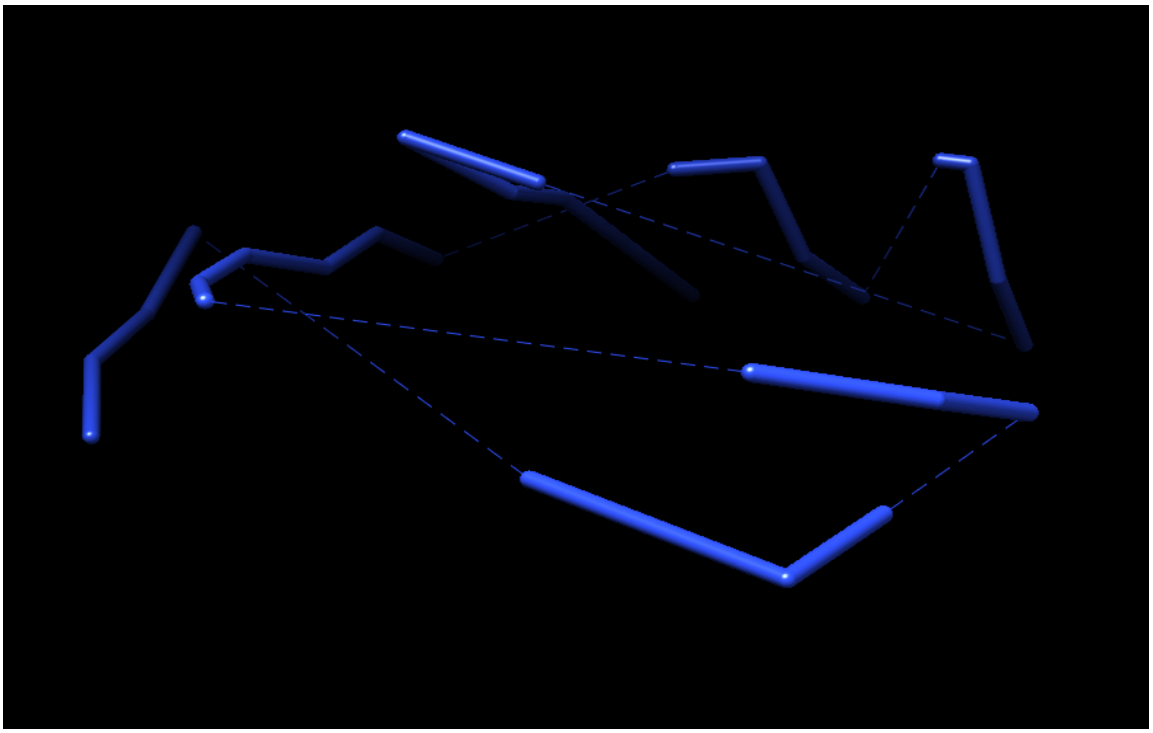
BetaSheetsOutput:



Side_ChainOutput: