Project Option 1

Phase 1

To execute the program use following steps.

Step 1: In command Prompt, Enter g++ Project\_Option\_1\_Rohit.cpp

Step 2: Enter ./a.out

Step3: It prompts to enter a file name. (File name should be with Extension).

Step 4: Enter the coordinates for center of the chopping box (coordinates should not exceed the limit of original image) as well as other required details.

Output is by default written to a file named “output\_File\_Rohit.mrc”

I tested this project with provided 5030\_BR.mrc file.

Coordinates: 180 180 180

Side: 80

z-angle: 60

I tried changing the coordinates as well as the side and angle of the chopping box.

I used chimera to verify my results. In every case, My results matched with chimera’s.

The only case that my program doesn’t work is when the chopping box exceeds the original image. (As we discussed on Monday’s class, You said we could neglect them).