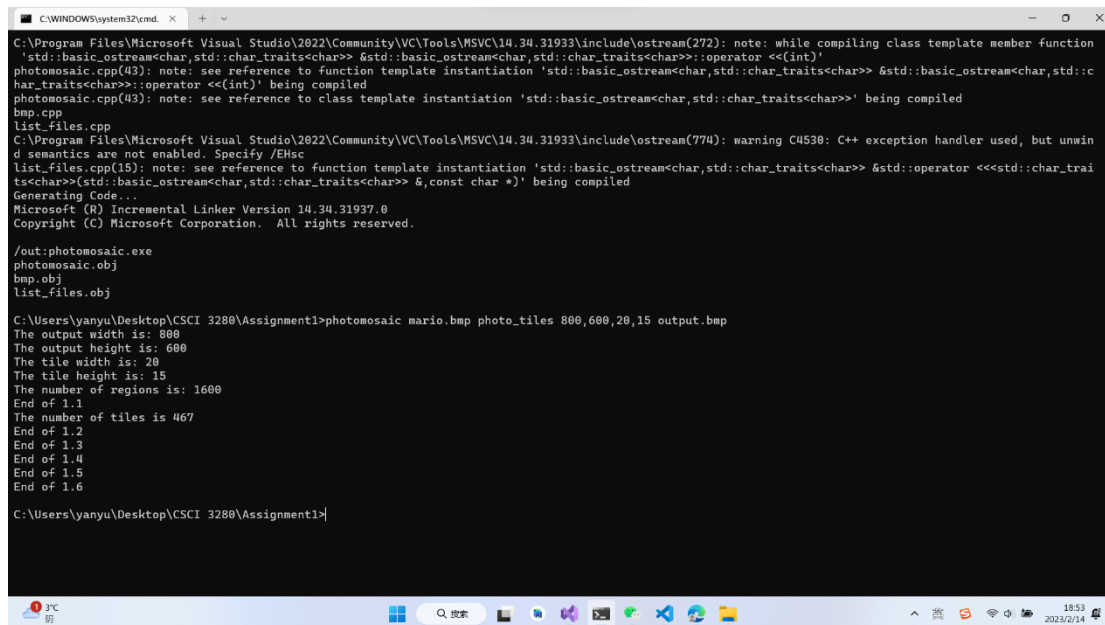I didn't do the enhancement part since it is way too time-consuming for me even to finish the basic part only.

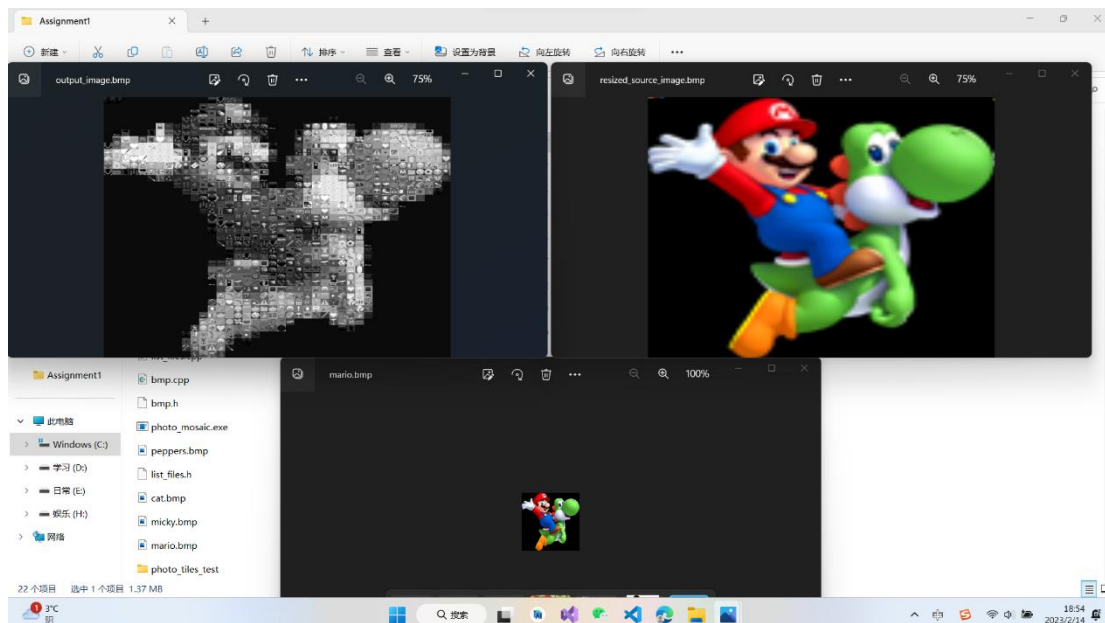Here are two pictures showing the command line I use and the output of my program.

During the developing process, I have use resources from stackoverflow, google, chatGPT and github.