All the source codes are uploaded to my git repository. Python 2.7 is used for this assignment.

Problem 1

Figure 1: Problem 1 output

Problem 2

Figure 2: Problem 2 part (a) output
Problem 3
Problem 4

Figure 6: Problem 4 output

Problem 5

Figure 7: Problem 5 output

Problem 6

Figure 8: Problem 6 output
Problem 7

Figure 9: Problem 7 output

Problem 9

All the files are uploaded to the repository. My webpage address is https://people.ucsc.edu/~npashana/
You can access Homework 4 files at https://people.ucsc.edu/~npashana/homework_4.html