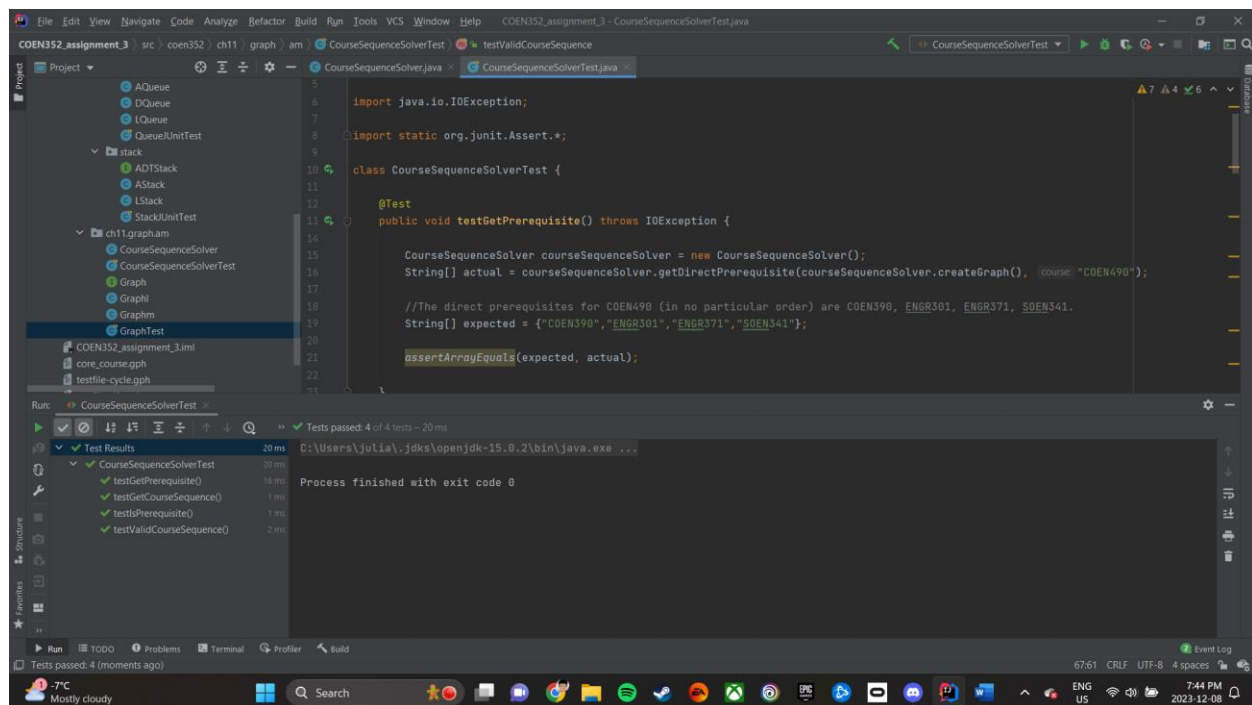DISCLAIMER: Problem 1 is inside the zip file; Problem 2 is in the CourseSequenceSolver.java class under the coen352.ch11.graph.am package; Problem 3 is in the CourseSequencecSolverTest.java class, under the coen352.ch11.graph.am package. My core_course.gph file (included in the zip file) has different integers attached to each course, meaning that these numbers may differ from the grader's test file. All of the tests work with using my core_course.gph, here are every integer value for each course (all of these values are also mentioned inside the core_course.gph file) :

0 = MATH204	1 = COEN212	2 = COEN231	3 = COEN243
4 = COEN244	5 = COEN311	6 = COEN313	7 = COEN314
8 = ELEC273	9 = COEN316	10=COEN317	11=COEN346
12=COEN320	13=COEN352	14=COEN366	15=COEN390
16=ENGR290	17=ENGR301	18=COEN490	19=ENGR371
20=SOEN341	21=ELEC242	22=ENGR213	23=ELEC342
24=ELEC372	25=ENCS282	26=ENGR233	

This should represent all the Computer Engineering core courses along with their respective prerequisites. Using these integer values for each course, the CourseSequenceSolverTest.java class should work perfectly fine. The core_course.gph file offers the relations between every course in a graph form (just like the given example).

I will now present a screenshot of all test cases giving a PASS result.

As you can see on the bottom left-hand side of the screenshot, all 4 test cases resulted in a PASS result, you can verify all of the test functions in the CourseSequencecSolverTest.java class, under the coen352.ch11.graph.am package.