

Assignment 1

Hand in your homework:

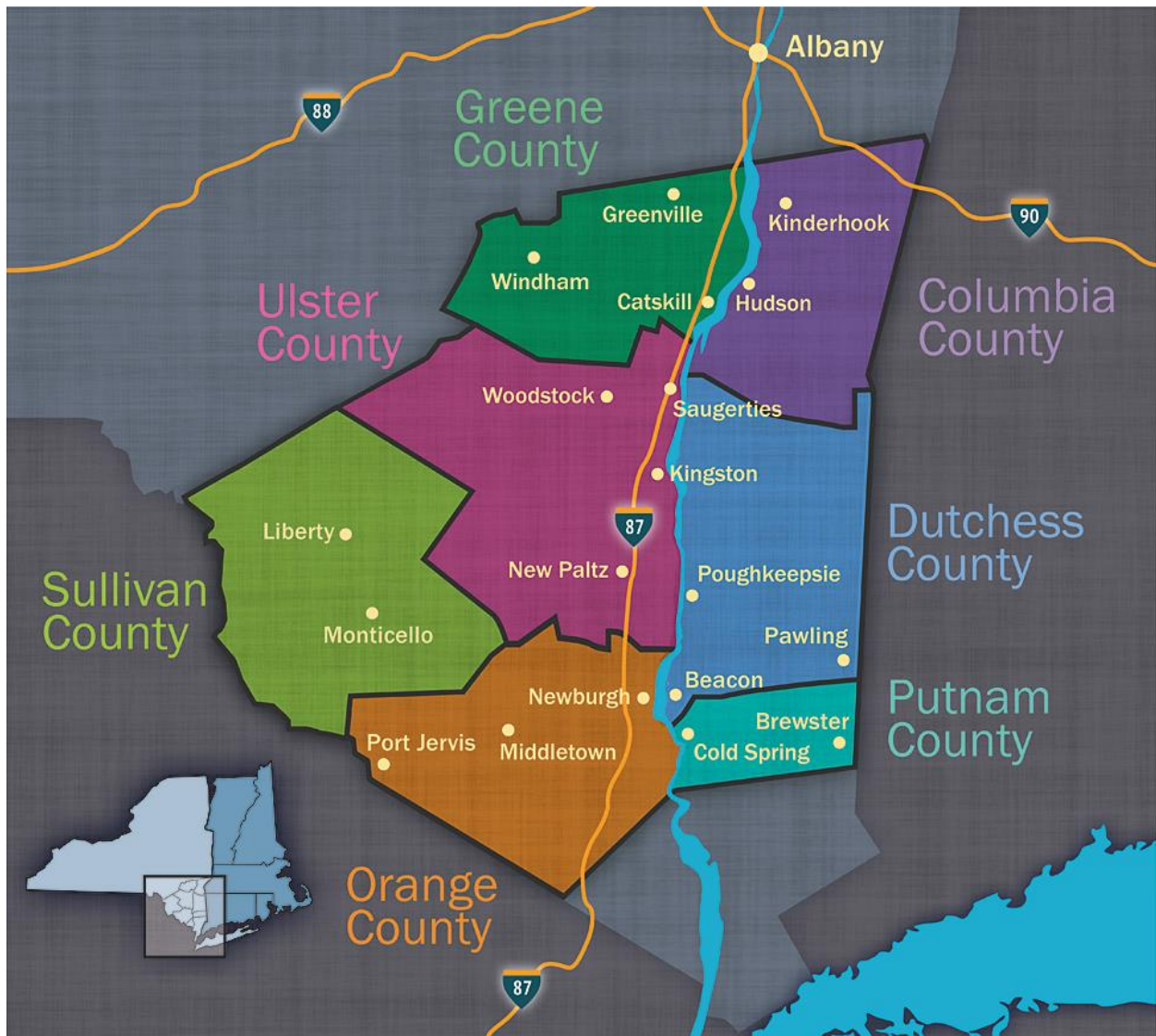
The coding assignment should submit through the Brightspace before 11:59PM on the due date.

Late Policy:

No late assignment can be accepted except:

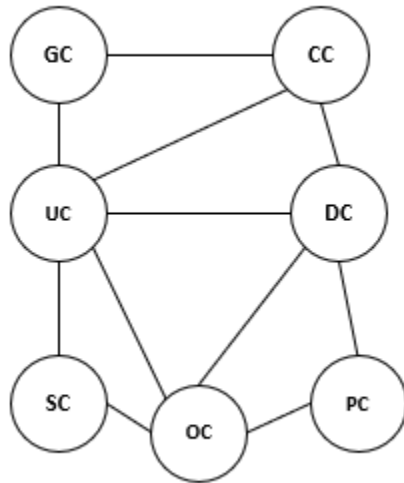
1. The student has been confined to the hospital or to their room by doctor's orders.
2. The student has participated in an activity approved by their Academic Dean.

If you are a package truck driver, you want to distribute packages to each county in the district of Mid-Hudson. We want to use depth first search and bread first search to traversal each county. If we start with Ulster County, what will be resultant DFS and BFS?



If we cover it into a graph, we will see that

Greene County = GC, Columbia County = CC, Ulster County = UC, Dutchess County = DC, Sullivan County = SC, Orange County = OC and Putnam County = PC.



Tasks:

1. Finish `depthFirstRecursion` and `breathFirstRecursion` in the provided `Graph.java` file.
2. Copy a sample output for your algorithm.

Submission:

Submit a single **PDF** file include:

`depthFirstRecursion`
`breathFirstRecursion`
a screenshot of your output.