Task-1a:

This code is basically on topological sort in DFs approach where the code reads input trom the input the and search weither there is a cycle on not it found returns impossible to do top sort and it not tound there return the topological sort.

Task-16:

same as task 10 but in BFs approach.

Task-2:

The code reads a directed acyclic graph's course dependencies trom input file then applies a BFS using a priority queue (min-heap) to find the lexicographically smallest valid course-sequence.

Task-3:

The code reads the input tile and applies kosarajus algorithm to tind the strongly connected components (sccs) and writes the lexicographically smallest sccs to an output tile.