

# UCS415 – Design and Analysis of Algorithms

## Lab Assignment 3

Write a program for the following:

- Eulerian path and circuit for undirected graph
  - <https://www.geeksforgeeks.org/eulerian-path-and-circuit/>
- Topological Sort
  - <https://www.geeksforgeeks.org/topological-sorting-indegree-based-solution/>
  - <https://www.geeksforgeeks.org/topological-sorting/>

### Additional Questions:

- <https://www.geeksforgeeks.org/fleurys-algorithm-for-printing-eulerian-path/>
- <https://www.geeksforgeeks.org/hierholzers-algorithm-directed-graph/>
- <https://cp-algorithms.com/graph/topological-sort.html#toc-tgt-2>
- <https://www.geeksforgeeks.org/all-topological-sorts-of-a-directed-acyclic-graph/>