CSN-261 L6 REPORT

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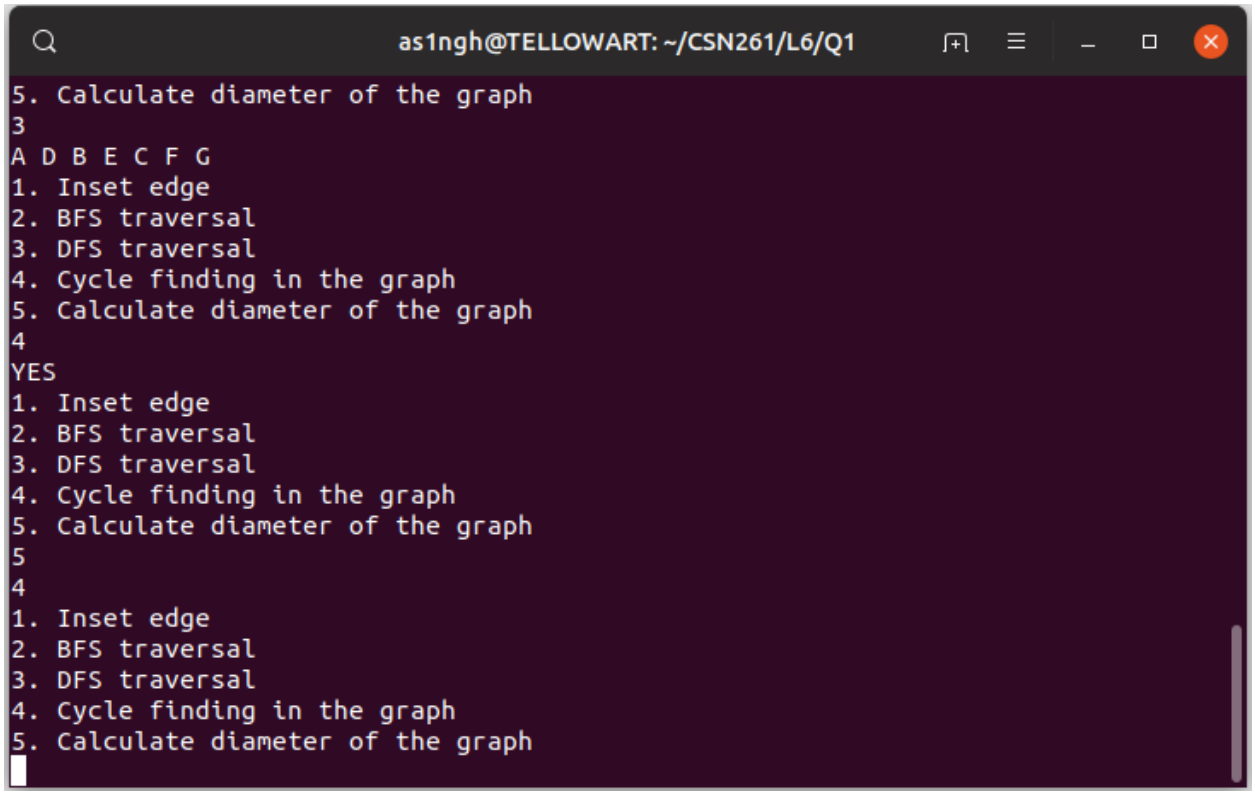
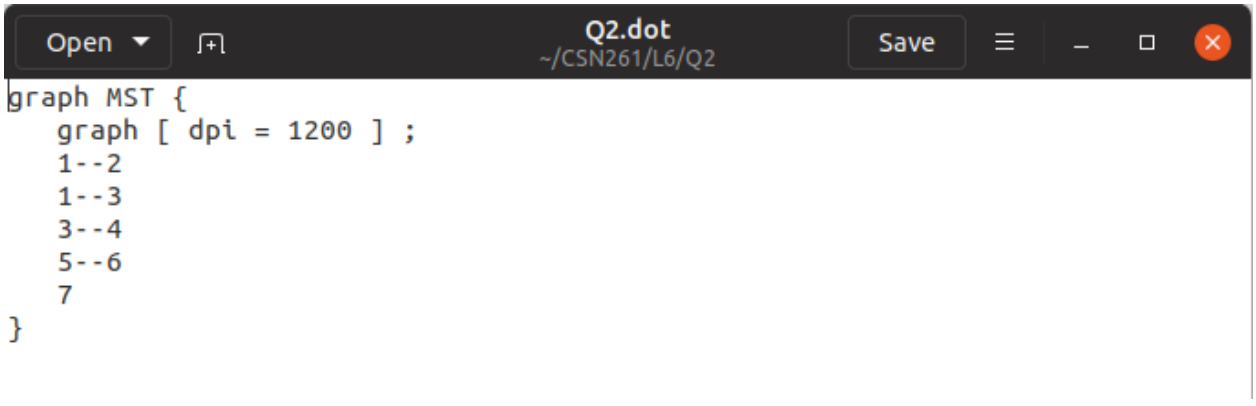
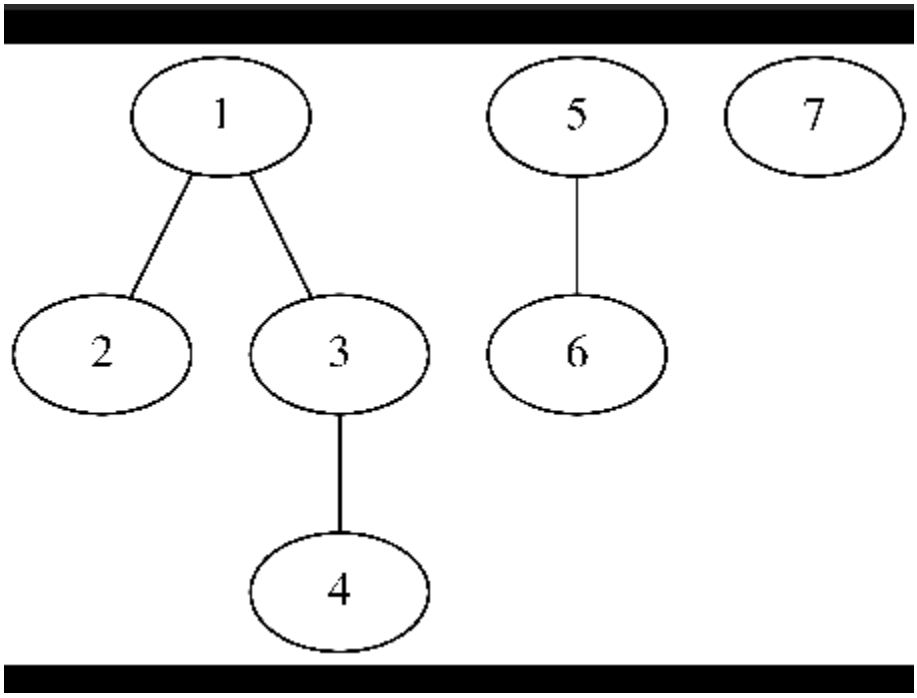
PROBLEM STATEMENT 1:
Objective:
1)Implement meu driven programme for graph and implement various functions like:
    a)BFS
    b)DFS
    c)Insertion
    d)Cycle detection
    e)Diameter
Algo’s:
    a)BFS->Breadth first search
    b)DFS->depth first search
    c)Insertion->insertion of edge in the adjacency list
    d)Cycle detection->Maths
    e)Diameter->DFS with logic



PROBLEM STATEMENT 2:
Objective:
1)Implement Binomial heap without STL

Algo's Discuss:
Algo--->Binomial Heap
Contains forest of trees/heaps of size 2^k with height k;





PROBLEM STATEMENT 3:
Objective:
1)Implement Bentley-Ottmann Algorithm for finding intersection of n line segment

Algo's discuss:
Bentley-Ottmann Algorithm