CS222 - Algorithm Design

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Assignment 9 - Graph Algorithms 1

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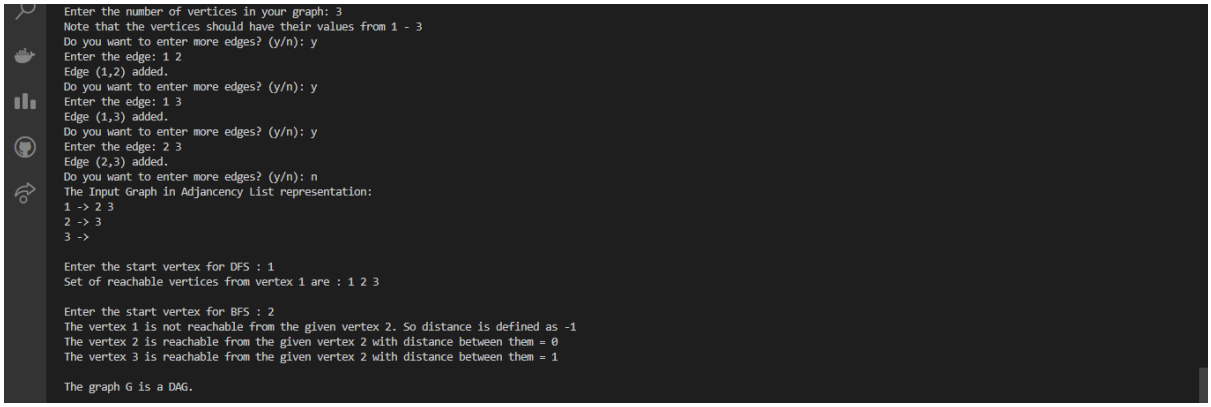
Sample Input & Output



Time Complexity (Directed, Adjancency List)

The Time Complexity of **DFS(int n)** is **O(|E|+|V|)**

The Time Complexity of **BFS(int n)** is **O(|E|+|V|)**

The Time Complexity of **linearization()** is **O (|E|+|V|)**

where E,V denote the set of Edges & Vertices respectively of the graph.