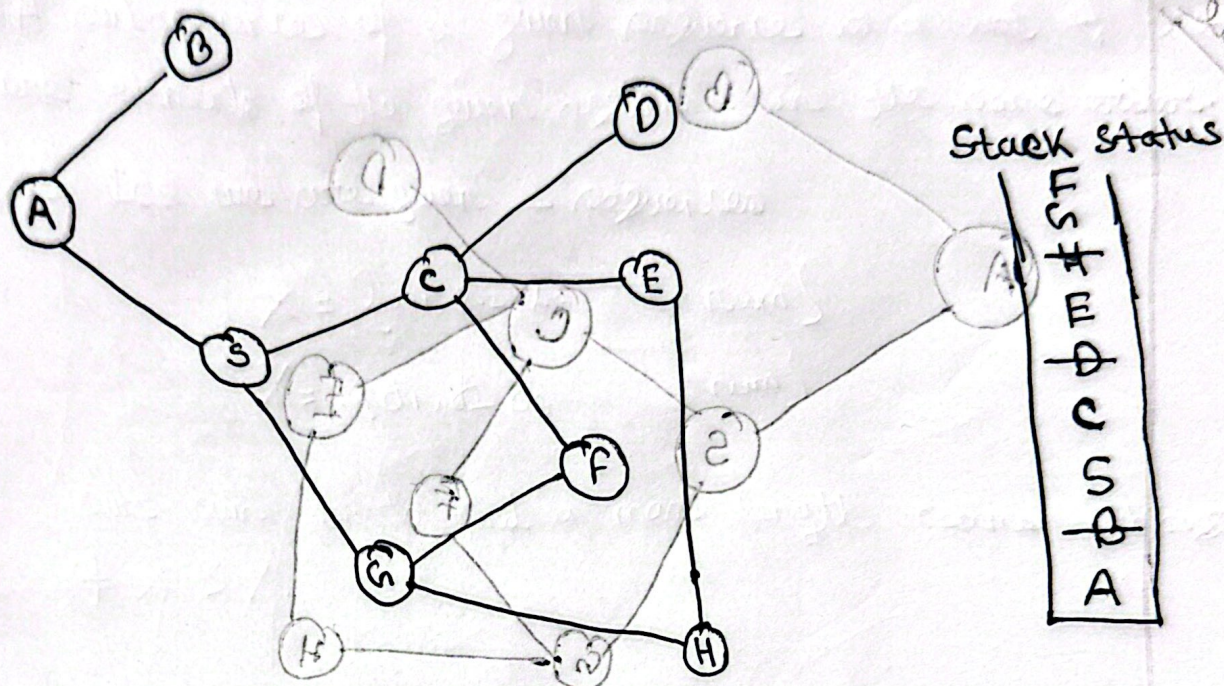


Depth First Search



Output: ABCDEHGF

Where DFS is used

- ① Pathfinding
- ② Detecting cycle in graphs.
- ③ Topological sorting
- ④ Solving puzzles (maze, sudoku)
- ⑤ Finding connected components.

How DFS work

1. Start from a node
2. Mark the node as visited
3. Visit all its unvisited neighbour recursively.