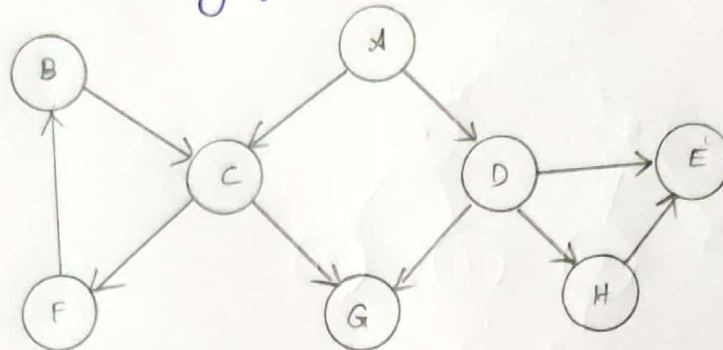


1) Write an algorithm for DFS. Using the above algorithm find the DFS of the graph below starting from the vertex A.



ans. Algorithm

Array visited[n] initially set to false, where n is the number of vertices.

dfs (integer v)

begin

visited[v] = true;

for each vertex w adjacent to v do

if not visited[w] then

dfs(w);

end

DFS of Given Graph

A D H E G C F B