

```

class Solution {

    public void dfs(ArrayList<Integer> ans,ArrayList<ArrayList<Integer>> adj,Integer curr,boolean[]
visited)

    {

        ans.add(curr);

        visited[curr] = true;


        for(int i=0;i<adj.get(curr).size();i++){

            Integer currDest = adj.get(curr).get(i);

            if(!visited[currDest]){

                dfs(ans,adj,currDest,visited);

            }

        }

    }

    public ArrayList<Integer> dfsOfGraph(int V, ArrayList<ArrayList<Integer>> adj) {

        boolean[] visited = new boolean[V];

        ArrayList<Integer> answer = new ArrayList<>();

        dfs(answer,adj,0,visited);

        return answer;

    }

}

```