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class Solution {

    // Function to return Breadth First Traversal of given graph.
    public ArrayList<Integer> bfsOfGraph(int V, ArrayList<ArrayList<Integer>> adj) {

        ArrayList<Integer> lst = new ArrayList<>();
        Queue<Integer> queue = new LinkedList<>();
        boolean[] visited = new boolean[V];

        queue.add(0);

        while(!queue.isEmpty()){
            Integer curr = queue.remove();

            if(!visited[curr]){
                lst.add(curr);
                visited[curr] = true;

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

            }
        }
        return lst;
    }
}

```