**Lab 6: DFS**

graph = {0: [2],

1: [2, 3],

2: [0, 1, 4],

3: [1, 4],

4: [2, 3]}

node = 2

visited = set()

def dfs(visited, graph, node):

if node not in visited:

print(node)

visited.add(node)

for adjacent in graph[node]:

dfs(visited, graph, adjacent)

print("Depth First Search: ")

dfs(visited, graph, node)

**Output:**  
  
Depth First Search:

2

0

1

3

4