

```
graph = {  
    '5' : ['3','7'],  
    '3' : ['2', '4'],  
    '7' : ['8'],  
    '2' : [],  
    '4' : ['8'],  
    '8' : []  
}
```

```
visited = set() # Set to keep track of visited nodes of graph.
```

```
def dfs(visited, graph, node): #function for dfs  
    if node not in visited:  
        print (node)  
        visited.add(node)  
        for neighbour in graph[node]:  
            dfs(visited, graph, neighbour)
```

```
# Driver Code
```

```
print("Following is the Depth-First Search")  
dfs(visited, graph, '5')
```