```
File Edit Shell Debug Options Window Help
Python 3.10.5 (tags/v3.10.5:f377153, Jun 6 2022, 16:14:13) [MSC v.1929 64 bi
graph = {
graph = [
'5' : ['3', '7'],
'3' : ['2', '4'],
'7' : ['8'],
'2' : [],
'4' : ['8'],
'8' : []
                                                                                 AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
                                                                                 Following is the Depth-First Search
                                                                                 3 2
ì
                                                                                 4
visited = set()
def dfs(visited, graph, node):
   if node not in visited:
        print (node)
         visited.add(node)
         for neighbour in graph[node]:
    dfs(visited, graph, neighbour)
print("Following is the Depth-First Search")
ifs(visited, graph, '5')
```

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