



Programiz

Python Online Compiler

Programiz PRO

main.py

Output



```
1 # Online Python compiler (interpreter)
  to run Python online.
2 # Write Python 3 code in this online
  editor and run it.
3 def DFS(graph, vertex, visited):
4     visited.add(vertex)
5     print(vertex, end=' ')
6
7     for neighbor in graph[vertex]:
8         if neighbor not in visited:
9             DFS(graph, neighbor,
                  visited)
10
11 # Example usage:
12 graph = {
13     0: [1, 2],
14     1: [0, 3, 4],
15     2: [0],
16     3: [1],
17     4: [1]
18 }
19
20 visited = set()
21 DFS(graph, 0, visited) # Start DFS
    from vertex 0
```

Run

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0 1 3 4 2

=== Code Execution Successful ===