

9(a)BFS program

The screenshot shows the Visual Studio Code interface with the terminal tab active. The terminal output shows the execution of the BFS program. The user enters the number of vertices (5) and the adjacency matrix. The program then starts traversing from vertex 0, printing the BFS traversal path.

```
PS C:\krishna> ./bfs.exe
Enter number of vertices: 5
Enter adjacency matrix:
0 1 0 0 0
1 0 1 0 1
0 1 0 0 0
1 0 0 0 0
0 1 0 0 0
Enter starting vertex: 0
BFS Traversal: 0 1 3 2 4
PS C:\krishna>
```

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