

Lab 9: BFS and DFS

Name: Dhathri Meda

Roll number: SE20UCSE040

Input:

```
graph = {  
    5 : [3, 7],  
    3 : [2, 4],  
    7 : [8, 9],  
    2 : [10],  
    4 : [8],  
    8 : [],  
    9 : [],  
    10 : []  
}
```

BFS:

```
Enter the source node: 5  
Enter the target node: 8  
[5, 3, 7, 2, 4, 8]
```

DFS:

```
Enter the source node: 5  
Enter the target node: 8  
[5, 3, 4, 8]
```