

## Test Case 1:

```
● Vishruths-MacBook-Pro:Quiz7 vish$ cd "/Users/vish/Desktop/Algorithm
"/Users/vish/Desktop/Algorithm Design/Quiz7/"temp7
Enter the number of nodes in the graph: 7

The graph has the following nodes:
A, B, C, D, E, F, G

Enter the number of edges in the graph: 1
Enter the source and destination vertices of the edges from A to G
C D

Adjacency List of the Graph is as follows:
A
B
C -> D
D -> C
E
F
G

Node C has the highest degree of 1
Node D has the highest degree of 1
```

## Test Case 2:

```
● Vishruths-MacBook-Pro:Quiz7 vish$ cd "/Users/vish/Desktop/Algorithm
"/Users/vish/Desktop/Algorithm Design/Quiz7/"temp7
Enter the number of nodes in the graph: 7

The graph has the following nodes:
A, B, C, D, E, F, G

Enter the number of edges in the graph: 3
Enter the source and destination vertices of the edges from A to G
C D
D G
C G

Adjacency List of the Graph is as follows:
A
B
C -> D -> G
D -> C -> G
E
F
G -> D -> C

Node C has the highest degree of 2
Node D has the highest degree of 2
Node G has the highest degree of 2
```

### Test Case 3:

```
● Vishruths-MacBook-Pro:Quiz7 vish$ cd "/Users/vish/Desktop/Algorithm Design/Quiz7/"temp7
Enter the number of nodes in the graph: 7

The graph has the following nodes:
A, B, C, D, E, F, G

Enter the number of edges in the graph: 3
Enter the source and destination vertices of the edges from A to G
A D
C D
F D

Adjacency List of the Graph is as follows:
A -> D
B
C -> D
D -> A -> C -> F
E
F -> D
G

Node D has the highest degree of 3
```