# Quiz 7:

Test Case 1:

Adjacency List of Sparse Graph:

Vertex A ->

Vertex B ->

Vertex C -> {D, 1}

Vertex D -> {C, 1}

Vertex E ->

Vertex F ->

Vertex G ->

Largest Degree Vertex:

Vertex: C, Degree: 1

Vertex: D, Degree: 1

Test Case 2:

Adjacency List of Sparse Graph:

Vertex A ->

Vertex B ->

Vertex C -> {D, 1}->{G, 1}

Vertex D -> {C, 1}->{G, 1}

Vertex E ->

Vertex F ->

Vertex G -> {C, 1}->{D, 1}

Largest Degree Vertex:

Vertex: C, Degree: 2

Vertex: D, Degree: 2

Vertex: G, Degree: 2

Test Case 3:

Adjacency List of Sparse Graph:

Vertex A -> {D, 1}

Vertex B ->

Vertex C -> {D, 1}

Vertex D -> {A, 1}->{C, 1}->{F, 1}

Vertex E ->

Vertex F -> {D, 1}

Vertex G ->

Largest Degree Vertex:

Vertex: D, Degree: 3