Quiz 11 Solution
1. Show a topological ordering for the graph shown below.
1. Show a topological ordering for the graph shown below.

Topological Order: F
1. Show a topological ordering for the graph shown below.

Topological Order: F, C,
1. Show a topological ordering for the graph shown below.

Topological Order: F, C, D,
1. Show a topological ordering for the graph shown below.

Topological Order: F, C, D, E,
1. Show a topological ordering for the graph shown below.

Topological Order: F, C, D, E, H,
1. Show a topological ordering for the graph shown below.

Topological Order: F, C, D, E, H, G,
1. Show a topological ordering for the graph shown below.

Topological Order: F, C, D, E, H, G, A,
1. Show a topological ordering for the graph shown below.

Topological Order: F, C, D, E, H, G, A, B
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

**FIFO Queue:** D

**Visited:**
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

FIFO Queue: E, H
Visited: D
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

FIFO Queue: H
Visited: D, E
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

FIFO Queue: G, F

Visited: D, E, H
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

FIFO Queue: F, A

Visited: D, E, H, G
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

FIFO Queue: A, C

Visited: D, E, H, G, F
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

FIFO Queue: C, B
Visited: D, E, H, G, F, A
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

FIFO Queue: B

Visited: D, E, H, G, F, A, C
2. Show a Breadth First Search Ordering starting at node D for the graph shown on the accompanying page.

FIFO Queue: 

Visited: D, E, H, G, F, A, C, B
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.

Stack: D, B
Visited: C
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.

Stack: H, E, B
Visited: C, D
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.

Stack: G, F, E, B

Visited: C, D, H
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.

- Stack: A, F, E, B
- Visited: C, D, H, G
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.

Stack: B, F, E, B

Visited: C, D, H, G, A
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.

Stack: F, E, B

Visited: C, D, H, G, A, B
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.

Stack: E, B

Visited: C, D, H, G, A, B, F
3. Show a Depth First Search Ordering starting at node C for the graph shown on the accompanying page.

Stack: B
Visited: C, D, H, G, A, B, F, E