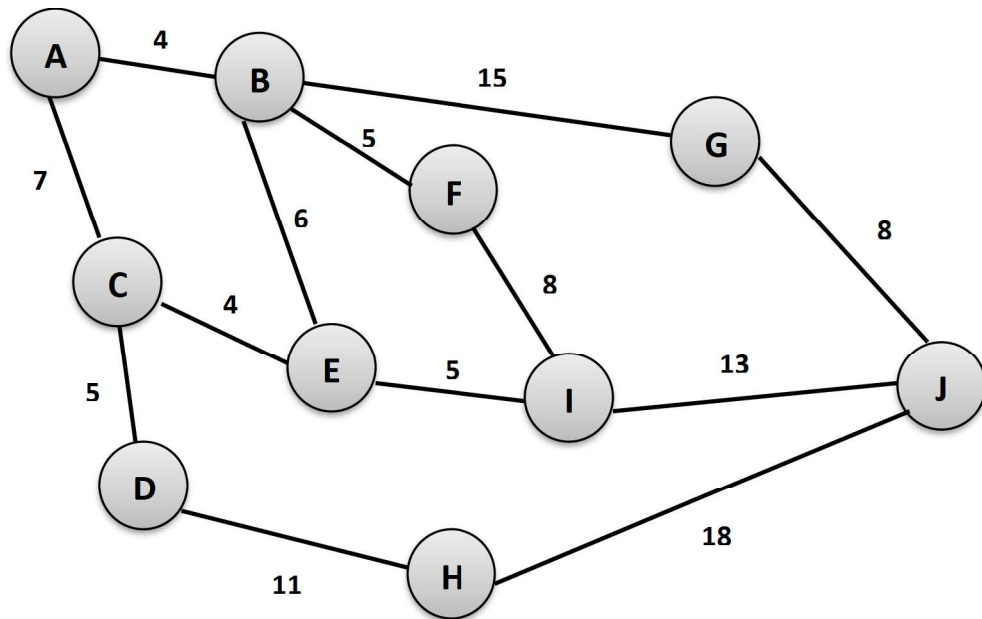


## Shortest Path Algorithms (Dijkstra)

Use Dijkstra's Algorithm to demonstrate the shortest path in each of the following examples. Remember to show updated distances and previous nodes!

### 1. Demonstrate the shortest path between A and J

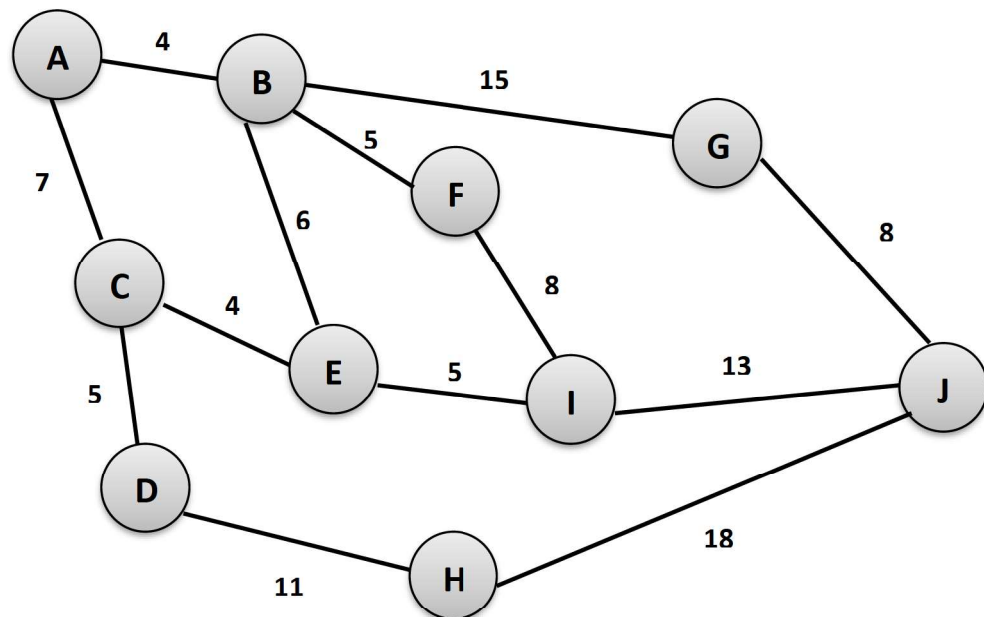


Node	Shortest Distance to A	Previous Node
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		

Shortest Path:

[11]

## 2. Demonstrate the shortest path between H and B

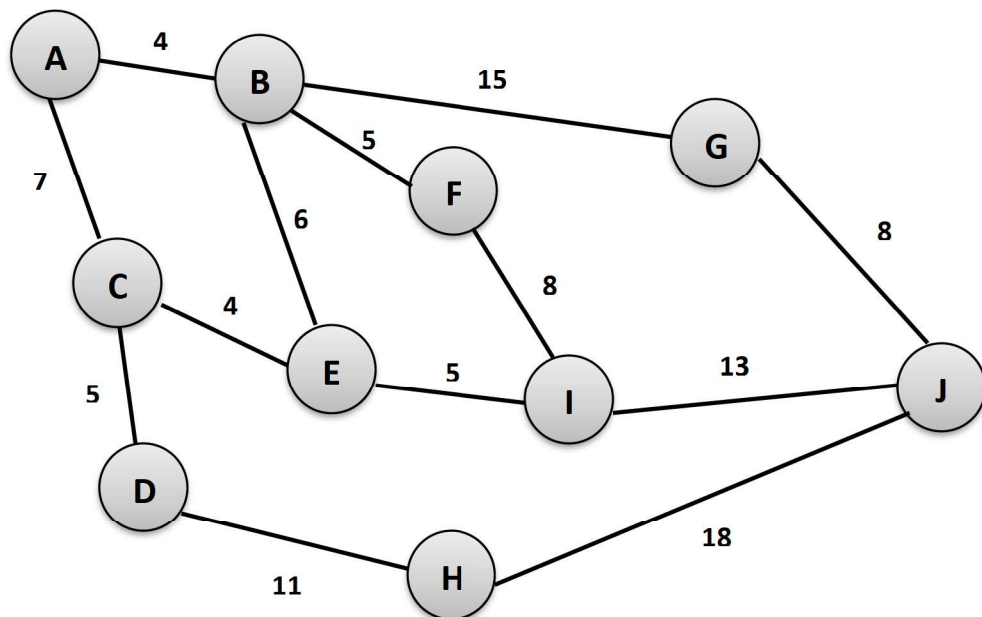


Node	Shortest Distance to H	Previous Node
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		

Shortest Path:

[11]

1. Demonstrate the shortest path between D and G



Node	Shortest Distance to D	Previous Node
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		

Shortest Path:

[11]