Graph

nodes + edges

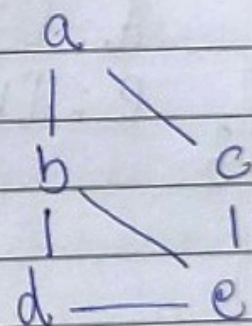| Directed Graph	Undirected Graph
↓	↓
Travelling	2 way
Permission	travelling
↓	↓
edges are directed	edges are not directed
↓	↓
can only travel in directed direction	can travel both direction

Cyclic Graph: You can start from 1 node and reach that node again forming cycle. [a, b, c, c]

Neighbour node:

where you can travel directly

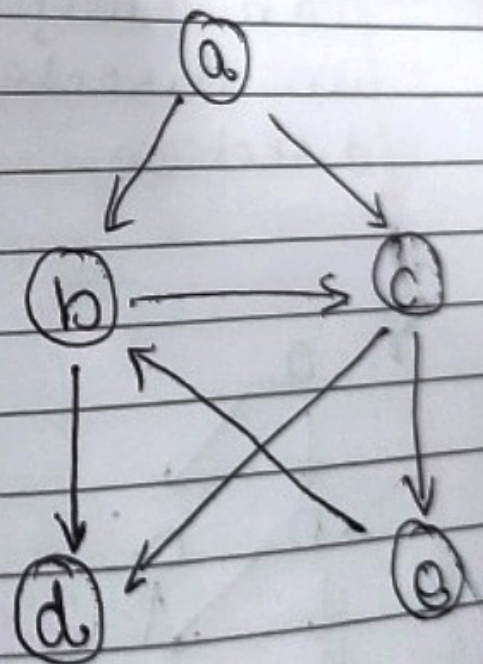## Adjency list

a → 2 node
d → no node

```
{
    a: [b,c],
    b: [c,d],
    c: [d,e],
    d: [ ]
    e: [b]
}
```
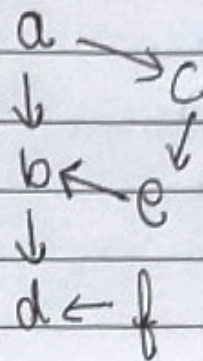
Depth First Traversal		Breadth First Traversal
a		a
a b		a b
a b d		a b c
a		b
a c		b d
a c e		
a c e b		c
		c e
		c e b
		c e b d

Stack ⟵ uses ⟶ Queue

Explore 1
direction

Explore in all
direction
(circular
exploration)
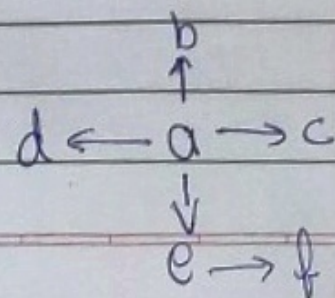
use set of Javascript for graph
↓
add()
has()
size()
keys()