The "Fundamentals of Computing" Specialization Learn More ×

Examples of graphs

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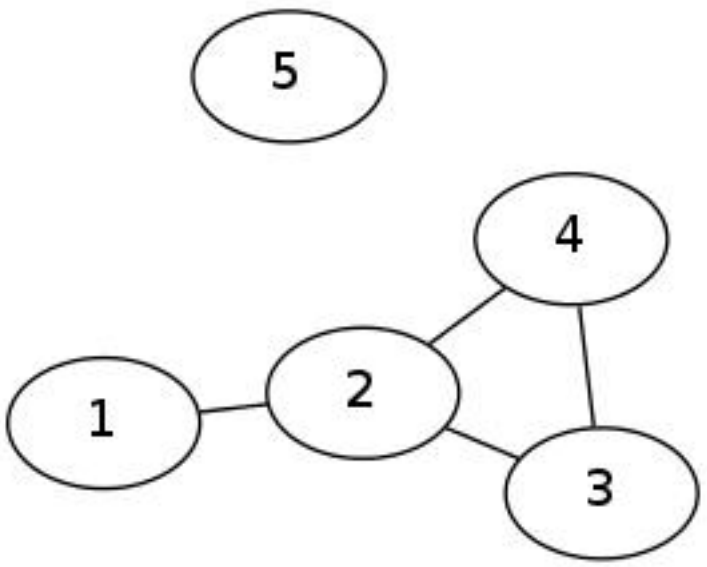
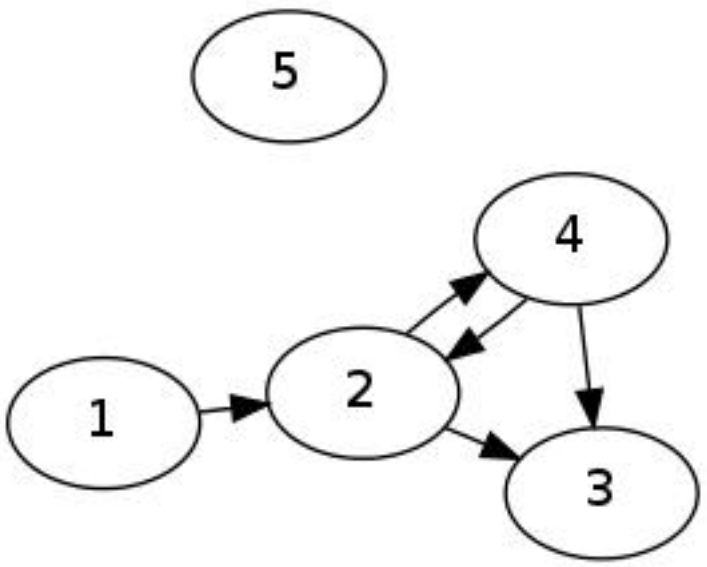
A graph is a collection of nodes and edges. Here are two examples. The top graph is undirected. The bottom graph is directed.



Node	Neighbors
1	2
2	1, 3, 4
3	2, 4
4	2, 3
5	(none)

```
u_graph = { 1: set([2]),
            2: set([1, 3, 4]),
            3: set([2, 4]),
            4: set([2, 3]),
            5: set()}
```



Node	Incident To
1	2
2	3, 4
3	(none)
4	2, 3
5	(none)

```
digraph = { 1: set([2]),
            2: set([3, 4]),
            3: set([]),
            4: set([3, 2]),
            5: set()}
```

Created Sat 23 Aug 20148:45 PM BST

Last Modified Sun 24 Aug 2014 5:43 AM BST