

# NetworkX Examples

See the examples at <https://networkx.lanl.gov/browser/networkx/trunk/doc/examples/>  
And the gallery at <https://networkx.lanl.gov/wiki/gallery>

## Basic

```
>>> from networkx import *
>>> G=Graph()
>>> G.add_edge(1,2)
>>> G.add_edge(2,3)
>>> G.add_edge(2,4)
>>> G.add_edge(2,5)
>>> G.add_edge(2,6)
>>> G.add_edge(4,6)
```

Print the nodes of the graph

```
>>> print G.nodes()
[1, 2, 3, 4, 5, 6]
```

Print the degree of each node

```
>>> for n in G:
...     print n,G.degree(n)
...
1 1
2 5
3 1
4 2
5 1
6 2
```

Draw with matplotlib

```
>>> draw(G)
```

More elaborate drawings are also possible