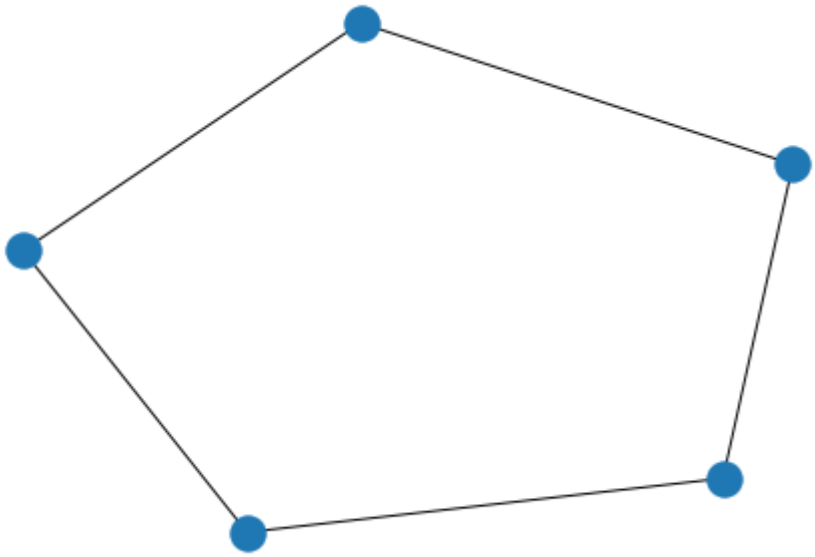
In [10]:
```
import networkx as nt
import matplotlib.pyplot as plt
g=nt.Graph()
g.add_node(1)
g.add_node(2)
g.add_node(3)
g.add_node(4)
g.add_node(5)
g.add_edge(1,2)
g.add_edge(2,3)
g.add_edge(3,4)
g.add_edge(4,5)
g.add_edge(5,1)
```

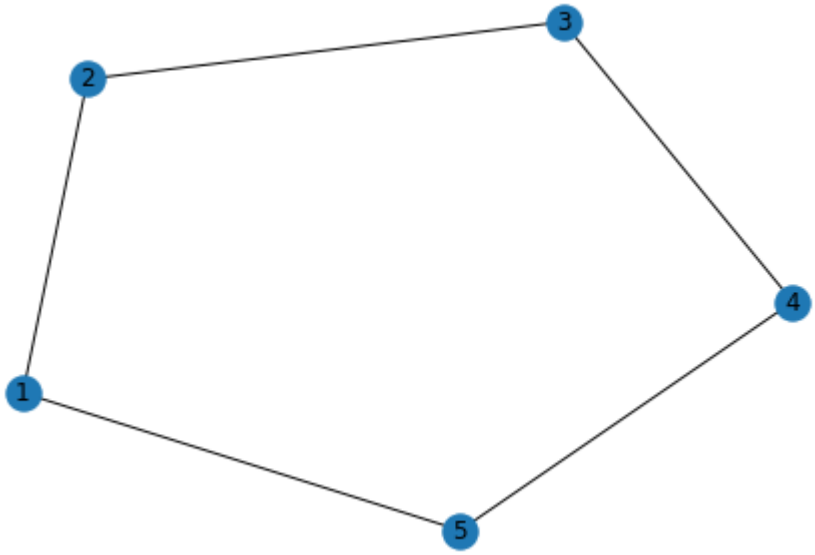
In [8]:
```
print(g.nodes())
print(g.edges())
```

```
[1, 2, 3, 4, 5]
[(1, 2), (1, 5), (2, 3), (3, 4), (4, 5)]
```

In [14]:
```
nt.draw(g)
plt.show()
```



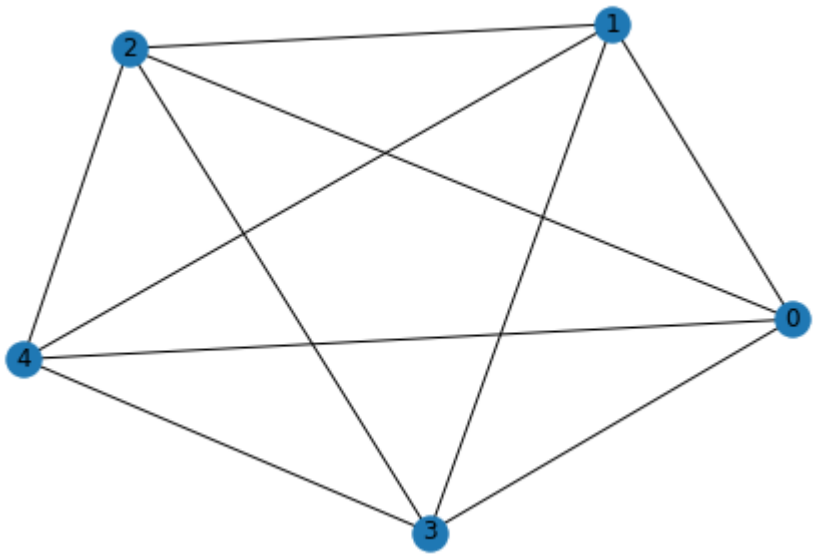
In [16]:
```
nt.draw(g,with_labels=1)
plt.show()
```



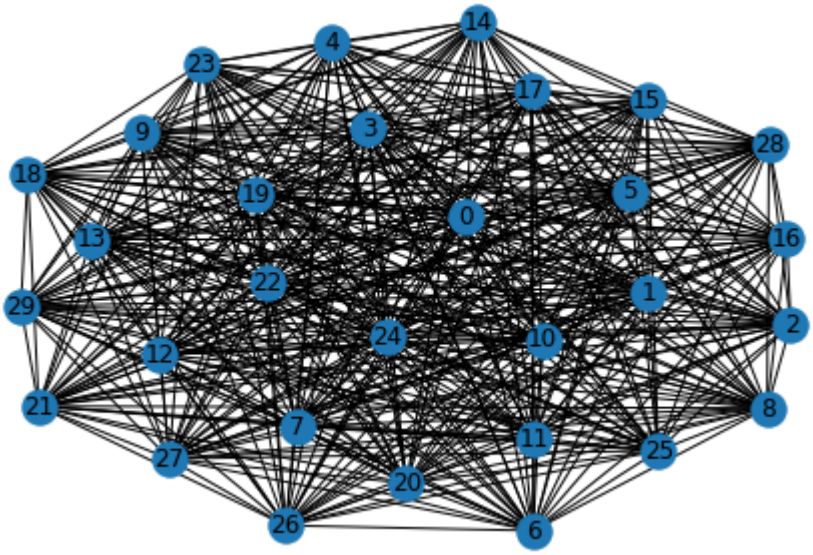
In [19]:
```
z=nt.complete_graph(5)
print(z.nodes())
print(z.edges())
print(z.order())
print(z.size())
```

```
[0, 1, 2, 3, 4]
[(0, 1), (0, 2), (0, 3), (0, 4), (1, 2), (1, 3), (1, 4), (2, 3), (2, 4), (3, 4)]
5
10
```

In [21]:
```
nt.draw(z,with_labels=1)
plt.show()
```



In [28]:
```
gr=nt.complete_graph(30)
nt.draw(gr,with_labels=1,color="red")
plt.show()
```



In [31]:
```
my=nt.gnp_random_graph(20,0.5)
nt.draw(my,with_labels=1)
plt.show()
```