In [1]:
```
############################
#
#  Import
#
############################
```

In [2]:
```
import networkx as nx
import matplotlib.pyplot as plt
import nbconvert as conv
```

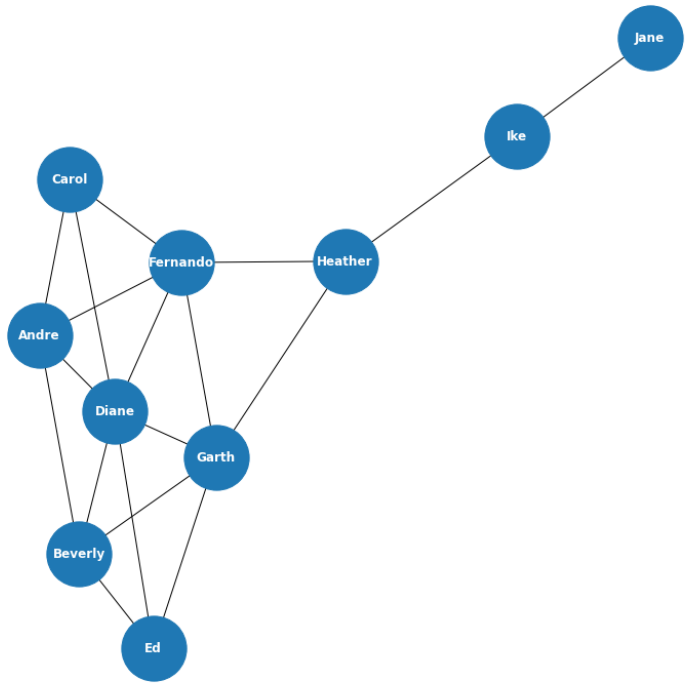
In [3]:
```
############################
#
#  Build Graph
#
############################
```

In [4]:
```
G = nx.Graph()
```

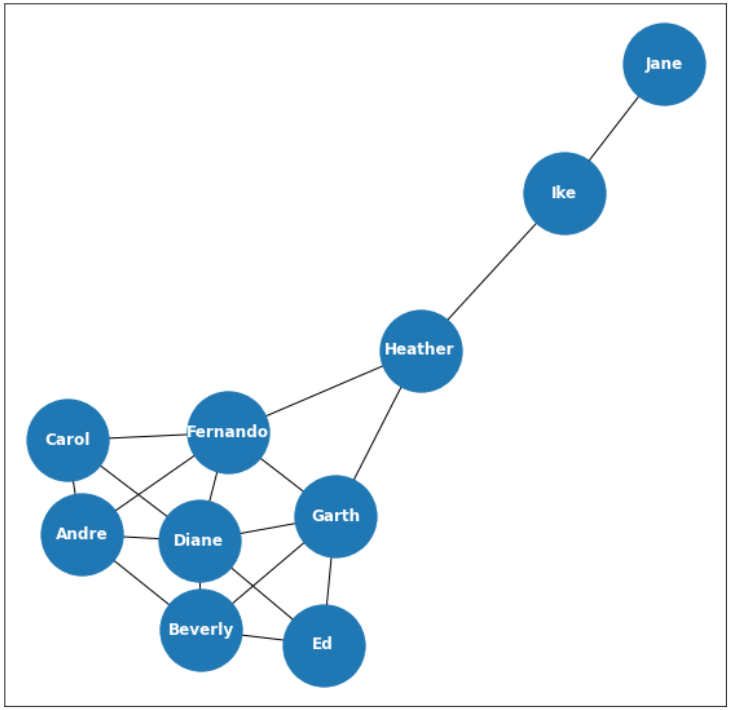
In [5]:
```
G.add_edge('Carol',  'Andre')
G.add_edge('Carol',  'Diane')
G.add_edge('Carol',  'Fernando')

G.add_edge('Andre',  'Beverly')
G.add_edge('Andre',   'Diane')
G.add_edge('Andre',  'Fernando')

G.add_edge('Diane','Beverly')
G.add_edge('Diane',  'Ed')
G.add_edge('Diane',  'Garth')

G.add_edge('Fernando','Diane')
G.add_edge('Fernando',  'Garth')
G.add_edge('Fernando',  'Heather')

G.add_edge('Beverly','Garth')
G.add_edge('Beverly',  'Ed')

G.add_edge('Garth',  'Heather')
G.add_edge('Garth',  'Ed')

G.add_edge('Heather',  'Ike')

G.add_edge('Ike',  'Jane')
```


In [6]:
```
############################
#
#  draw graph
#
############################
```

In [7]:
```
plt.figure(figsize=(10,10))
nx.draw(G, with_labels=True, node_size=4000, font_color='white', font_
```



In [8]:
```
plt.figure(figsize=(10,10))
nx.draw_networkx(G, with_labels=True, node_size=4000, font_color='whit
```



In [9]:
```
plt.figure(figsize=(10,10))
nx.draw_circular(G, with_labels=True, node_size=4000, font_color='whit
```