In [20]:
```
import networkx as nx

# Take user input for the number of nodes
num_nodes = int(input("Enter the number of nodes: "))

# Create the complete graph
G = nx.complete_graph(num_nodes)

# Draw the graph with grid background
plt.figure(figsize=(4, 3))
pos = nx.spring_layout(G)  # Positions for all nodes
nx.draw(G, pos, with_labels=True, node_color='red', node_size=700)

plt.title('Complete Graph')
plt.show()
```

```
Enter the number of nodes: 5
```