```python
class graph:
  def __init__(obj,gdict=None):
    if gdict is None:
      gdict = []
    obj.gdict = gdict
# Get the keys of the dictionary
  def getVertices(obj):
    return list(obj.gdict.keys())
# Create the dictionary with graph elements
  graph_elements = {
      "A"   : ["B", "C"],
      "B"   : ["A", "D"],
      "C"   : ["A", "D"],
      "D"   : ["E"],
      "E"   : ["D"]
}

g = graph(graph_elements)
print(g.getVertices())
```

```
['A1', 'Bi', 'C1', 'D1', 'E1']
```
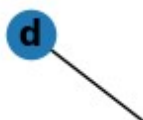
```python
import matplotlib.pyplot as plt
import networkx as nx
```
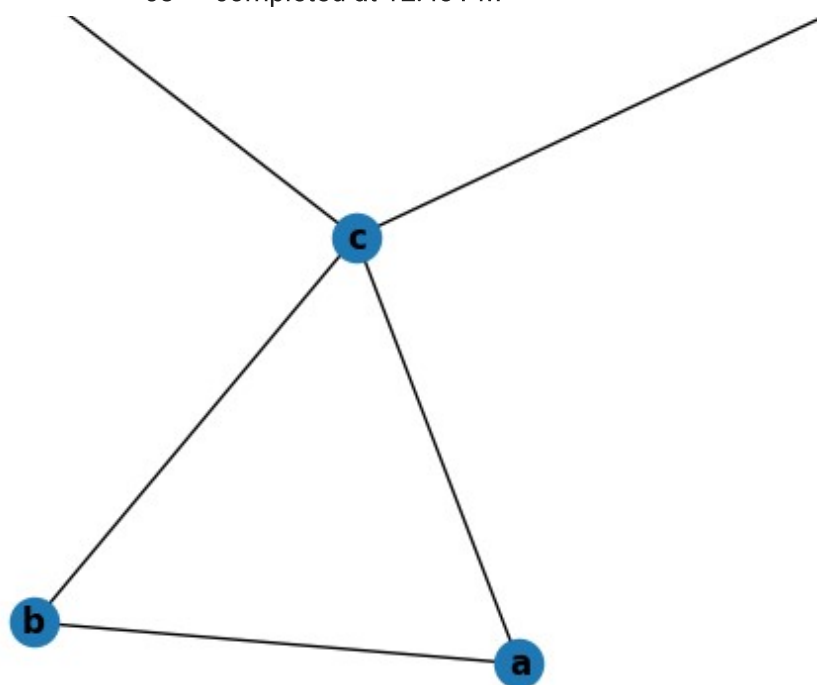
```python
G = nx.Graph()

nodes = {
      "a"   : ["b", "c"],
      "b"   : ["a", "d"],
      "c"   : ["a", "d"],
      "d"   : ["e"],
      "e"   : ["d"]
}
edges = [("a","b"),("a","c"),("b","c"),("c","e"),("c","d"),("e","e")]

G.add_nodes_from(nodes)
G.add_edges_from(edges)


nx.draw(G, with_labels=True, font_weight='bold')
plt.show()
```

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