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| **Class: BE-CO** | **Batch: 01** |
| **Roll no: 18CO48** | **Experiment No: 04** |

**Aim**: Exploratory Data Analysis and visualization of Social Media Data for business..

**Code:**

!pip install networkx

import networkx

G = networkx.Graph()

G.add\_node(1)

G.add\_node(2)

G.add\_node(3)

G.add\_node(4)

G.add\_node(5)

G.nodes()

G.add\_edge(1,2)

G.add\_edge(1,2)

G.add\_edge(1,3)

G.add\_edge(4,3)

G.add\_edge(4,3)

G.add\_edge(5,4)

G.add\_edge(2,3)

G.edges()

import networkx as nx

G = nx.Graph()

G.nodes()

G.edges()

import matplotlib.pyplot as plt

nx.draw(G)

plt.show()

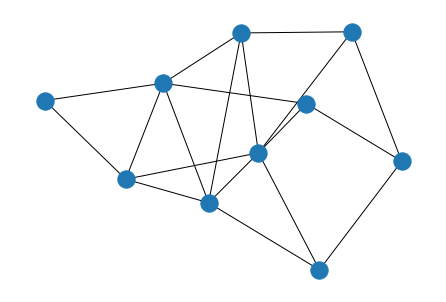
nx.draw(G,with\_labels=1)

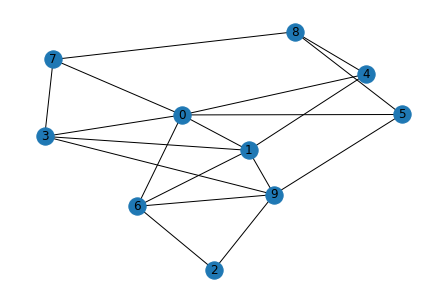
plt.show()

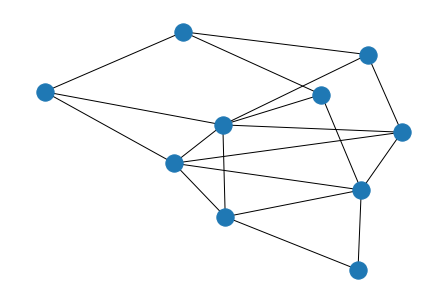
G = nx.gnp\_random\_graph(10,0.5)

nx.draw(G)

**Output:**

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**Conclusion:**  We have successfully plotted the graphs for the analysis of Social Media Data.