Exercise-5

Consider the following graph data from a Messenger Application:

· Jessica's friend list: Meghna, Alan, Martin

· Meghna's friend list: Alan, Lori

· Tuni's Friend list: Lori, Meghna

· Martin's friend list: Lori, Meghna

· Alan's friend list: Martin, Jessica

· Lori's friend list: Meghna

1. Draw the **graph**
2. Is it a **Connected, Complete, Directed, weighted or Multigraph Graph?**
3. Is there any **isolated node** or **Cycle** in the graph?
4. Create an **adjacency matrix** of this graph.
5. Create an **adjacency list** of this graph.
6. Display the **User List** based on their **popularity**.
7. Find out who is **most popular** and **least popular**.