Name: Akanksha Dewangan **Roll no: MT19049**

Tools way of use:

1.import the network in the tools
2.then I changed the styling of the network .
3.And assign source and destination nodes when data is loaded in the tool and then decide the weighted or non weighted as per dataset used.
4.Also made the directed edges for the directed graph

Analysis

Following layouts are used:

(a)circular layout:

Here all nodes are put into the circle and edges are drawn between the nodes if they exist so we get to know what is the degree distribution, also which has a more dense degree. Que 2 and 3 graph data is more degree dense then que 1 graph data.

(b)Grid layout:

Here we gotta know where a large number of nodes are present in the graph, like we can say that que 2 and que 3 graph data has more nodes compared to other graph data. So from here we got to know about the node density of the graph.

(c)Degree sorted:

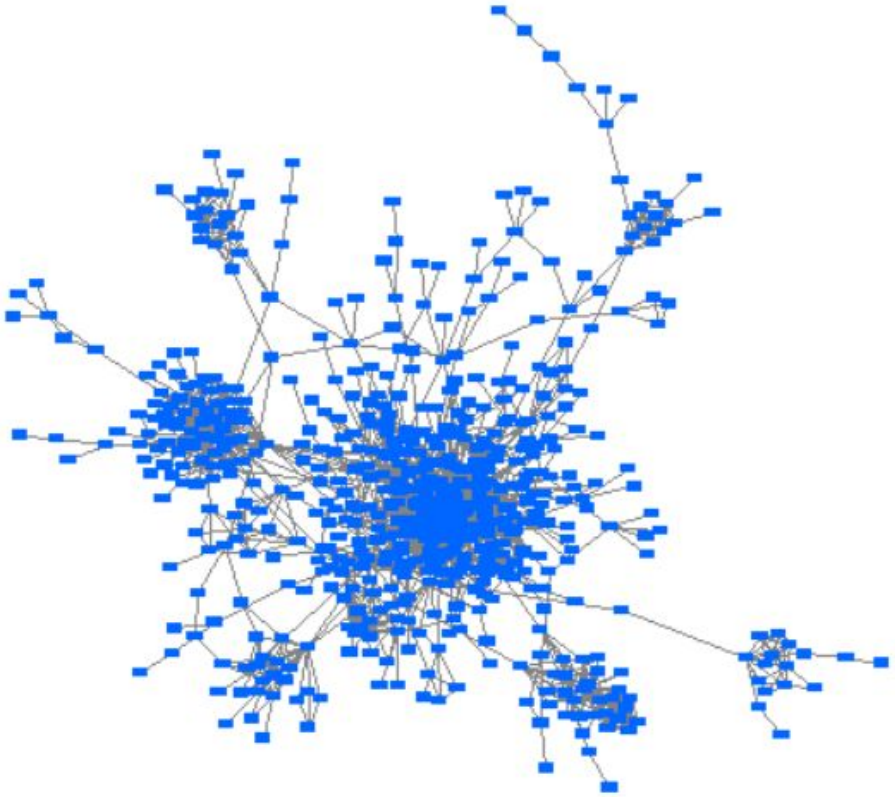
In que3 the circle too dense red color that means its degrees are very large, we can say it is having high degree nodes with a more colored border in the layout.

(d) Default layout:

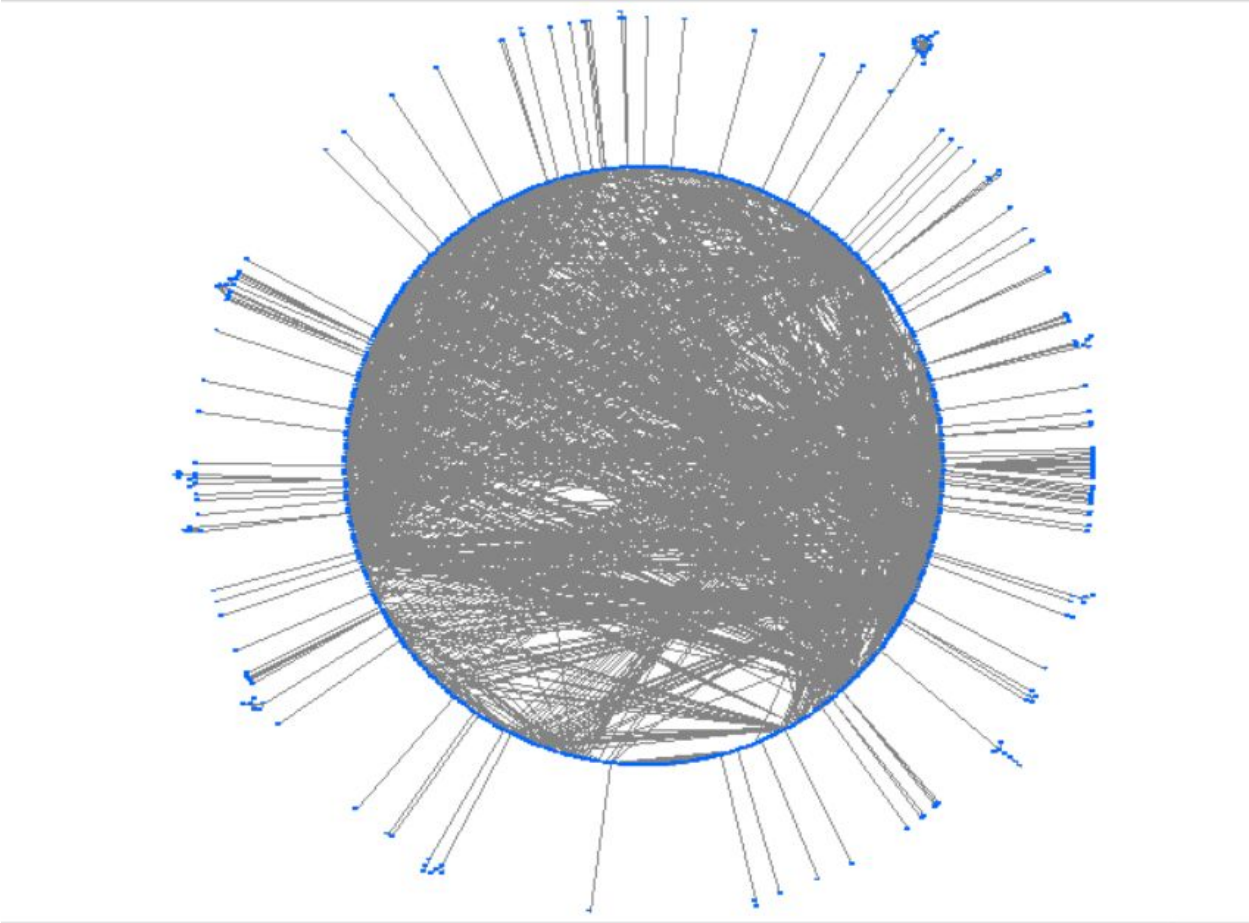
que2 and que3 nodes are disconnected because different patches are visible like 2 three small disconnected nodes are also there, but que1 graph is completely connected.

Que 1: graph:

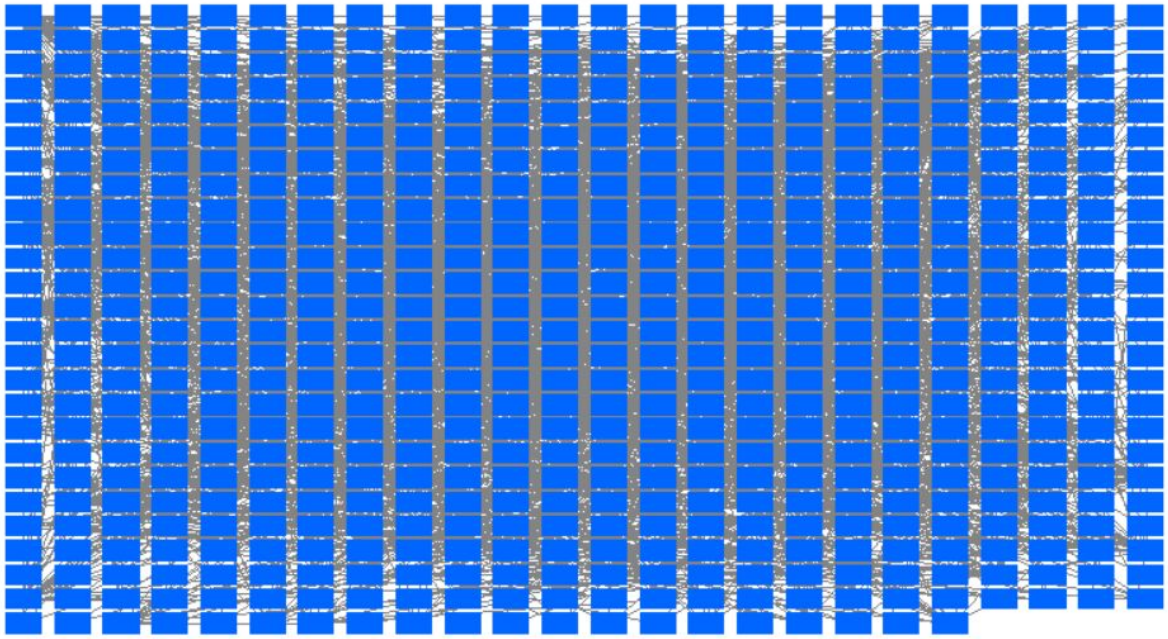
Default layout:



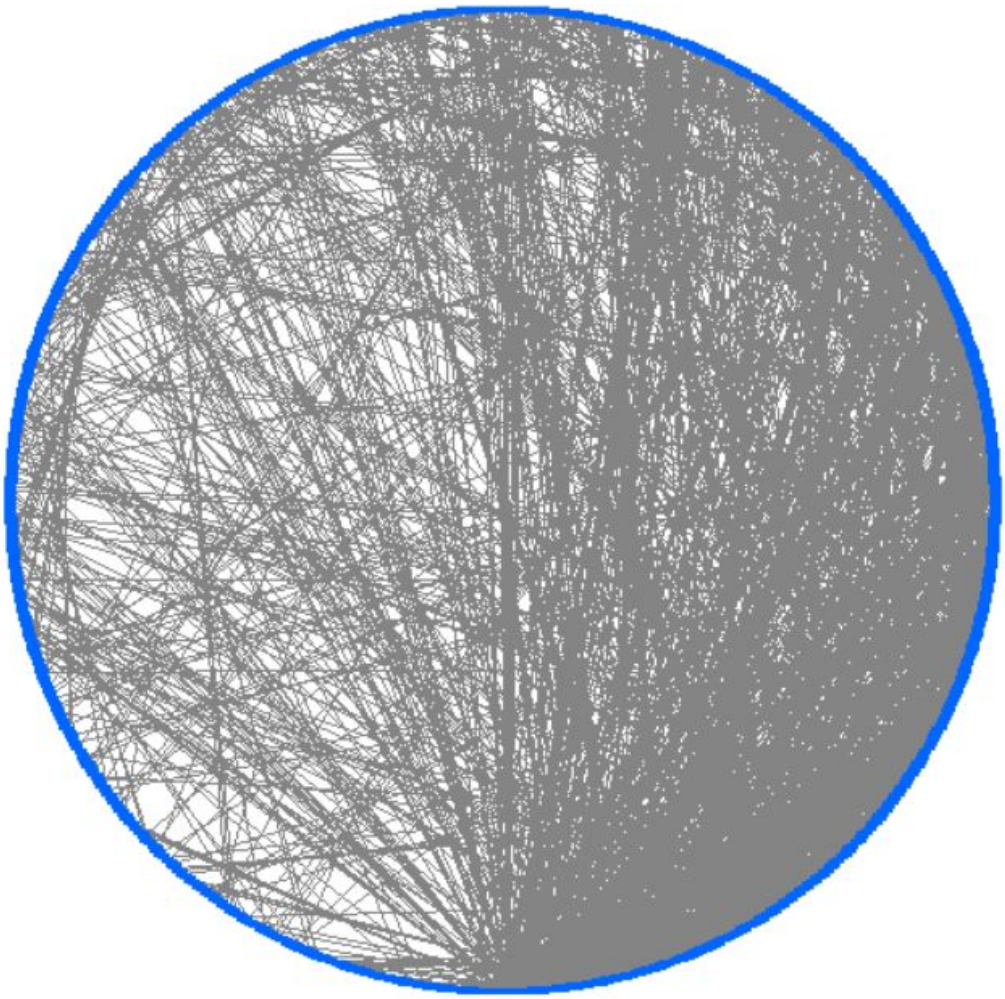
Circular view:



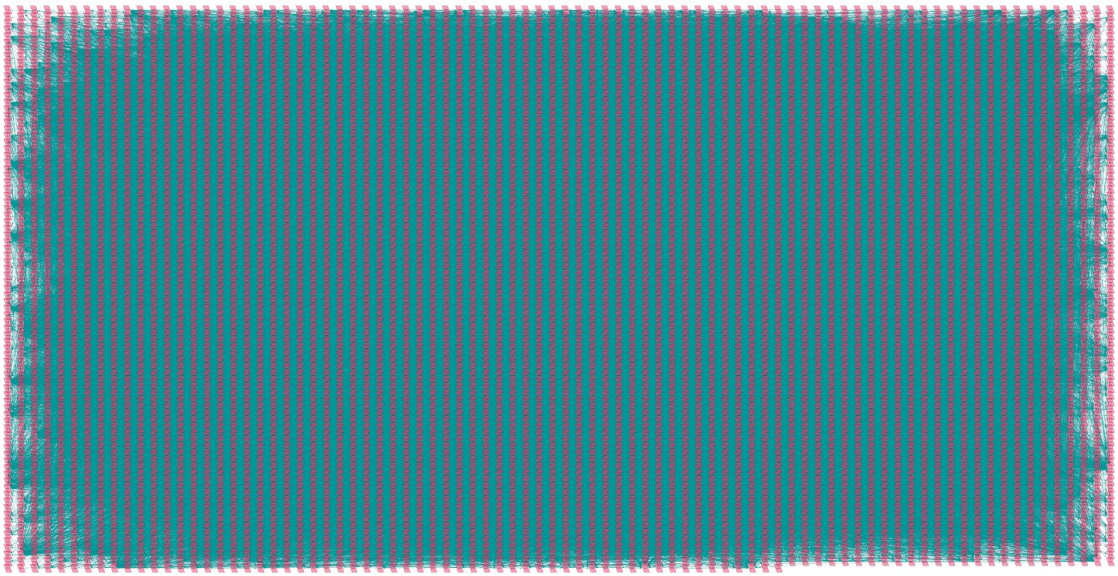
Grid layout:



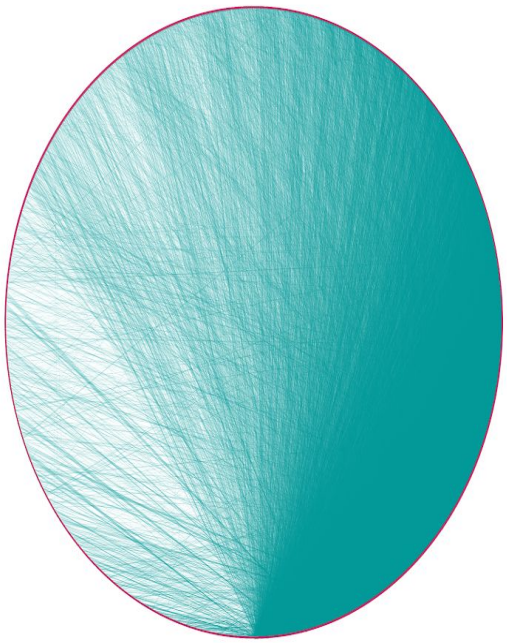
Degree sorted layout:



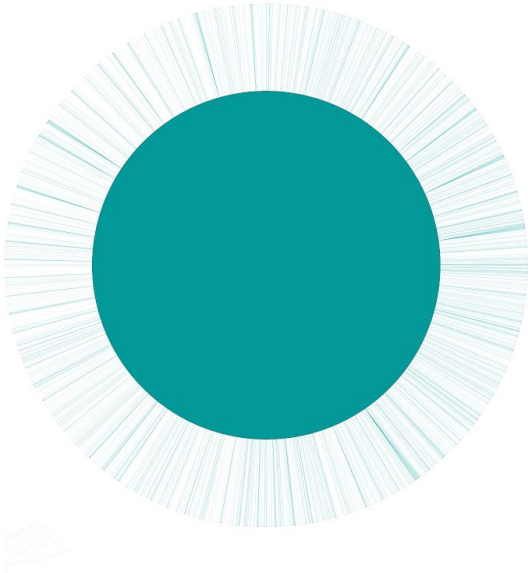
Que 2: graph:
Grid layout:



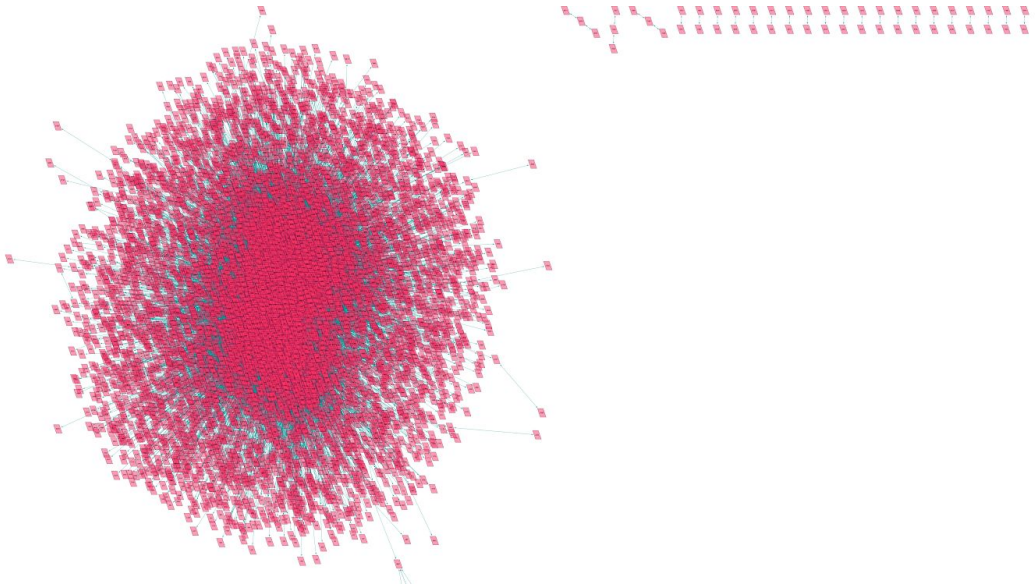
Degree Sorted layout graph:



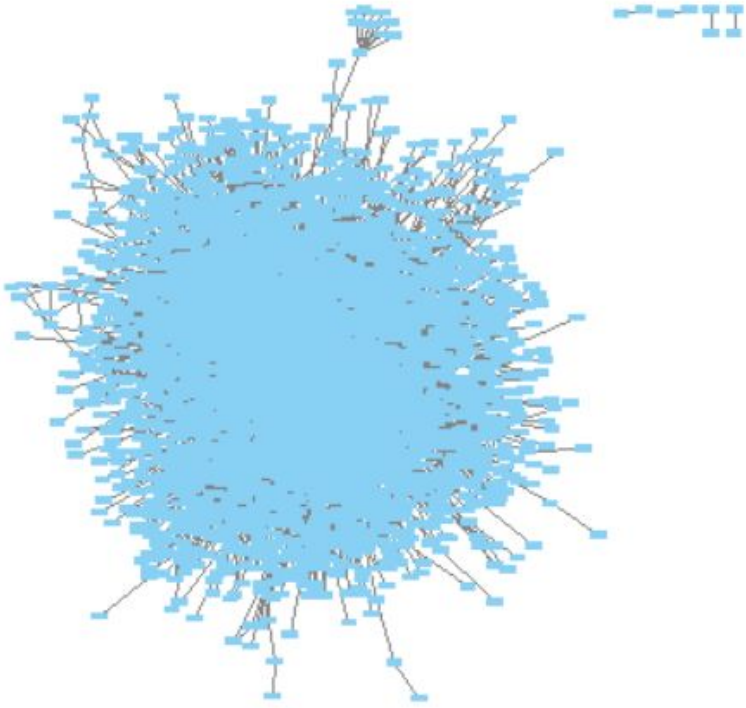
Circular layout graph:



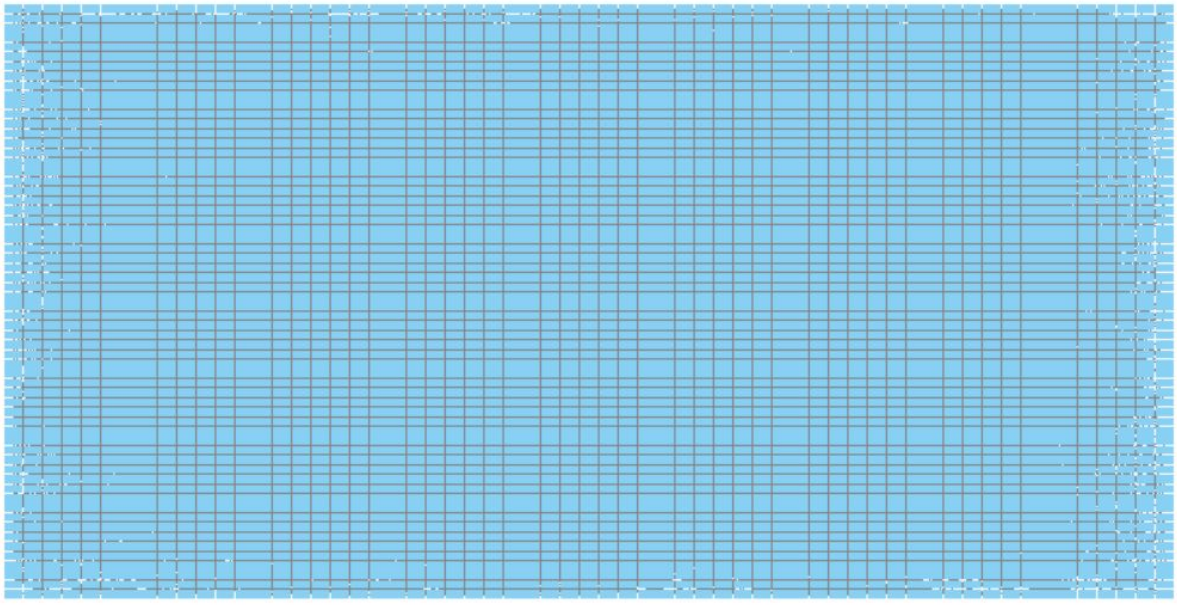
Default layout:



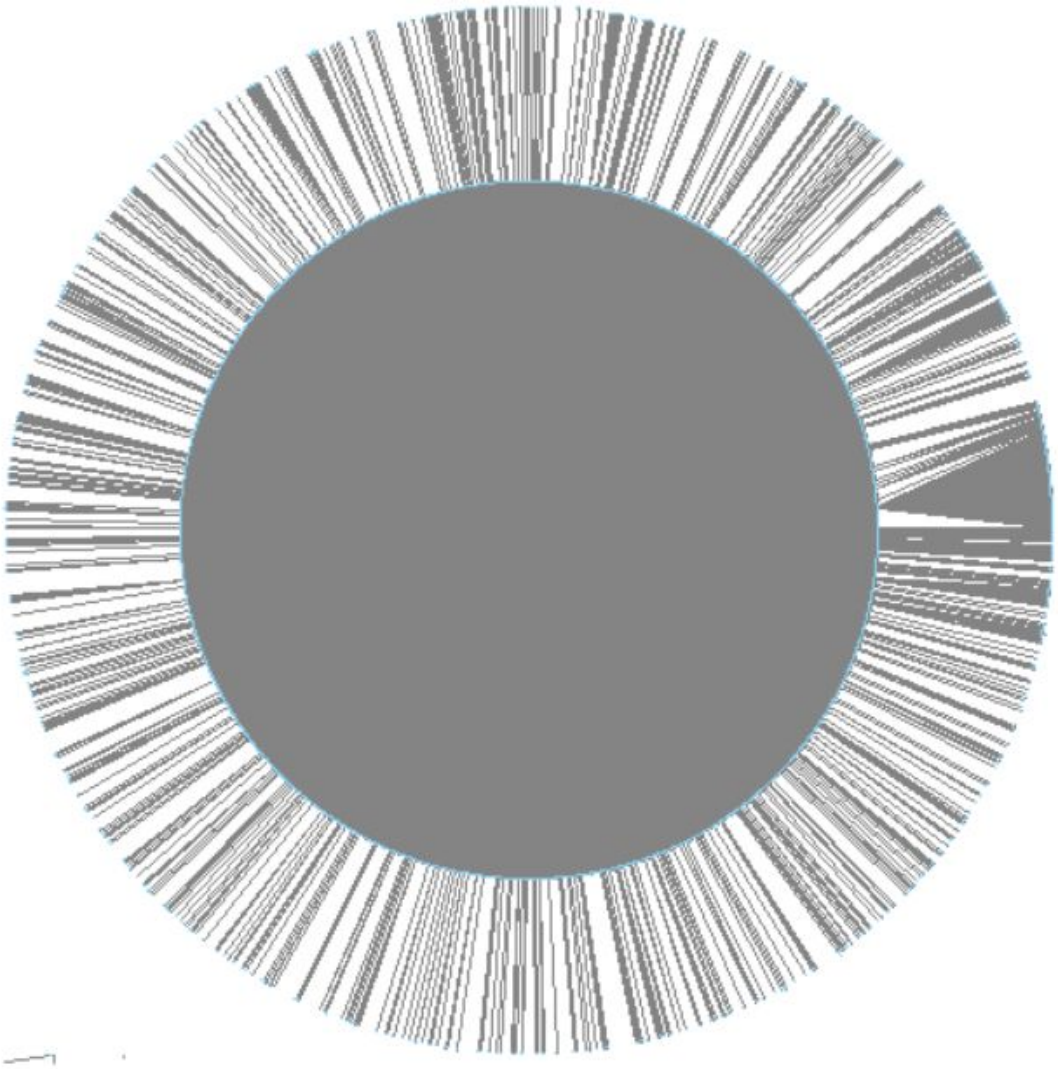
Que 3: graph:



Grid layout:



Circular layout:



Degree sorted layout: