**Practical 2: Perform following tasks: (i) View data collection forms and/or import onemode/two-mode datasets; (ii) Basic Networks matrices transformations**

Code:

# Get the current working directory

getwd()

# Set the working directory to "d:/SNA\_pract"

setwd("d:/SNA\_pract")

# Read the nodes.csv file into a data frame 'nodes'

nodes <- read.csv("nodes.csv", header = T, , as.is = T)

# Print the first few rows of 'nodes'

head(nodes)

# Read the edges.csv file into a data frame 'links'

links <- read.csv("edges.csv", header = T, as.is = T)

# Print the first few rows of 'links'

head(links)

# Create a graph object 'net' from the data frames 'nodes' and 'links'

net <- graph.data.frame(d = links,

                        vertices = nodes,

                        directed = T)

# Convert the graph object 'net' to an adjacency matrix 'm'

m = as.matrix(net)

# Print the adjacency matrix of 'net'

get.adjacency(net)

# Plot the graph object 'net'

plot(net)

**OUTPUT**

