## 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)</pre>
# 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)</pre>
# 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,</pre>
                        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**

