**Displaying Bipartite network in the graph format**

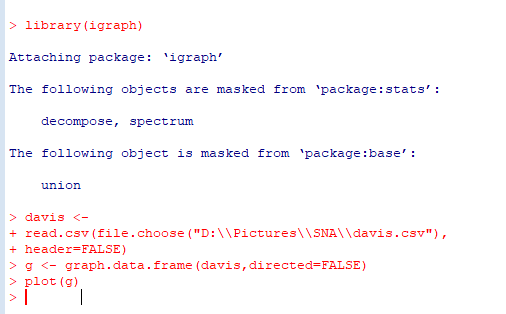
**Implementation:-**

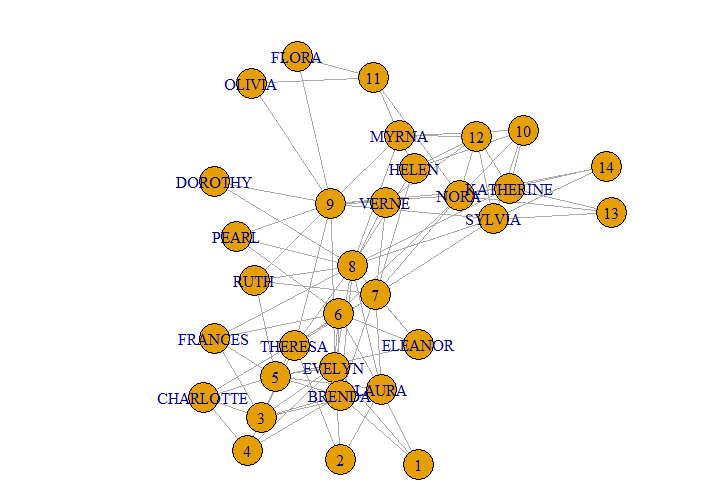
library(igraph)

davis <- read.csv(file.choose("

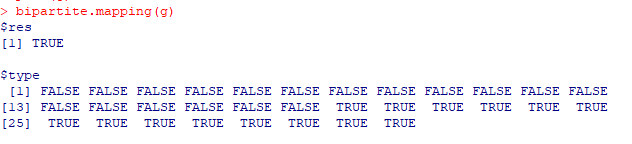
g<- graph.data.frame(davis, directed=FALSE)

plot(g)





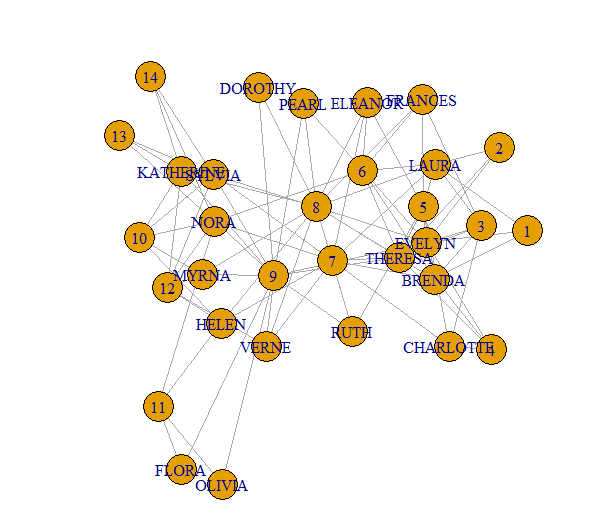
bipartite.mapping(g)



V(g)$type <- bipartite\_mapping(g)$type

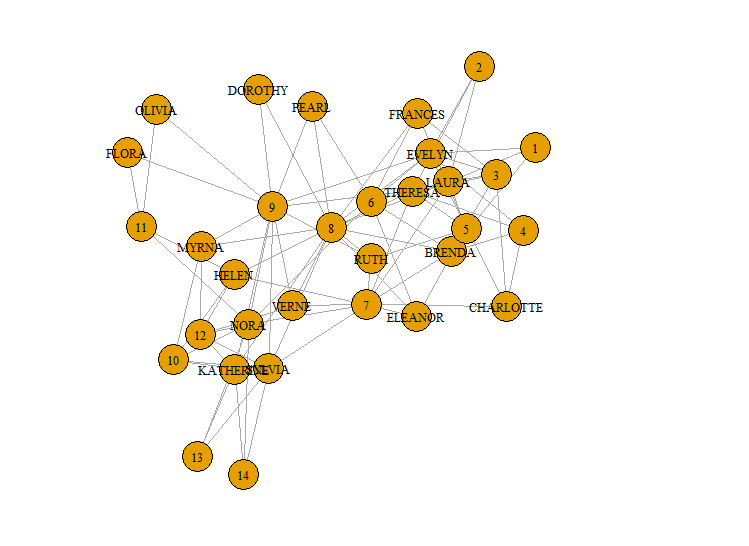
plot(g)

D:\Pictures\SNAPrac9\4.PNG



plot(g, vertex.label.cex = 0.8, vertex.label.color ="black")

D:\Pictures\SNAPrac9\6.PNG

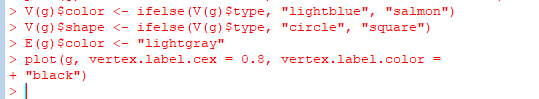


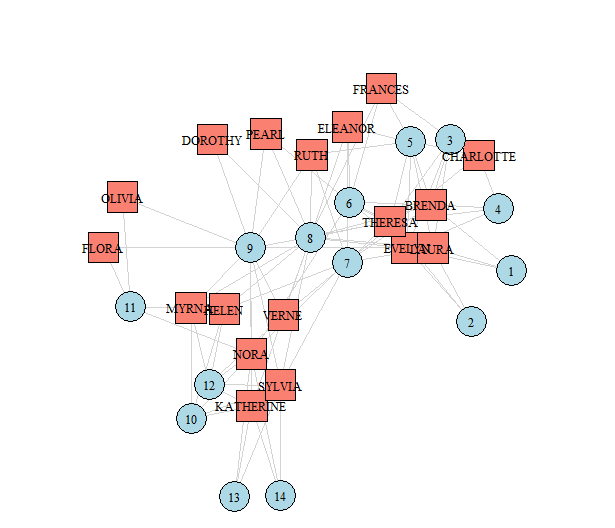
V(g)$color <- ifelse(V(g)$type, "lightblue", "salmon")

V(g)$shape <- ifelse(V(g)$type, "circle", "square")

E(g)$color <- "lightgray"

plot(g, vertex.label.cex = 0.8, vertex.label.color ="black")





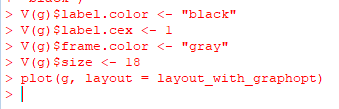
V(g)$label.color <- "black"

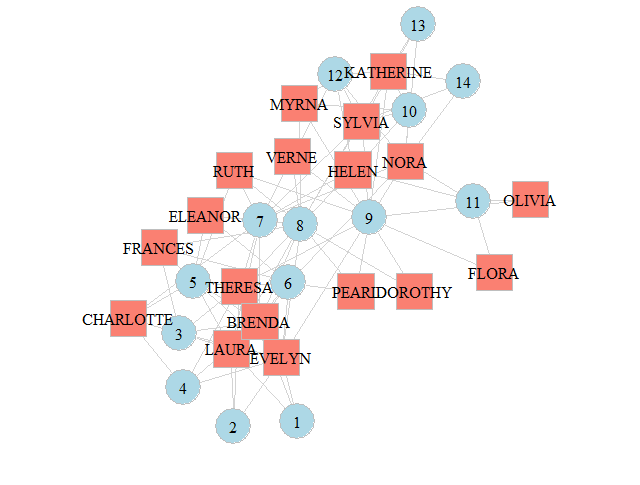
V(g)$label.cex <- 1

V(g)$frame.color <- "gray"

V(g)$size <- 18

plot(g, layout = layout\_with\_graphopt)





plot(g, layout=layout.bipartite, vertex.size=7,vertex.label.cex=0.6)

