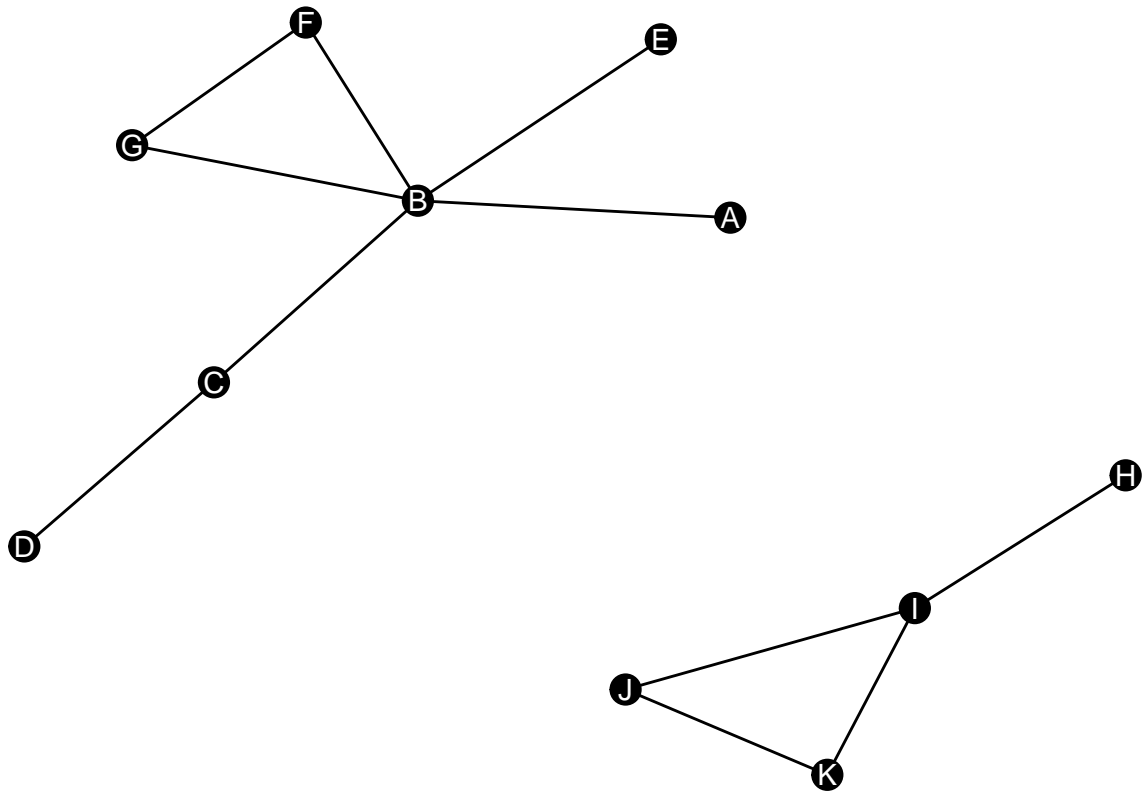# Create your own network

```r
# load packages
library(tidyverse)
library(tidygraph)
library(ggraph)
```

Below is an R code than loads the nodes and edges of a network. It then creates a network data structure using `tidygraph` and visualizes it using `ggraph`.

```r
# load nodes and edges
nodes <- read_csv("nodes.csv")
edges <- read_csv("edges.csv")
```

```r
### [BEGIN] - MODIFY GGRAPH PIPELINE HERE
# convert to network data structure
network <- tbl_graph(nodes = nodes,
                     edges = edges, directed = FALSE)

# plot the network
ggraph(network, layout = "kk") +
  geom_edge_link() +
  geom_node_point(size = 5) +
  geom_node_text(aes(label = name), color = "white") +
### [END] - MODIFY GGRAPH PIPELINE HERE
  theme(panel.background=element_blank())
```

Your task is to modify and expand the network by doing the following.

1. Add 10 new nodes and 10 new edges.
2. Plot the new network (both for undirected and directed) and adjust the sizes, colors, and scales accordingly to make it presentable.