Module 1 Lecture 1 filter()

```r
#Install and load packages
install.packages("tidyverse")
library(tidyverse)

#Data
gender <- c("M", "F", "M", "F", "M", "M", "M", "Not disclosed", "M", "F", "M")
age <- c(29,67,40,23,26,34,55,42,18,73,18)
weight <- c(52,65,80,57,71,90,67,78,85,50,85)
height <- c(165,171,183,154,173,167,169,180,190,145,190)
health <- tibble(gender,age, weight, height)

#Answers to example questions
filter(health, height > 170)
filter(health, height > 170 & gender == "M")
filter(health, height > 170 | gender == "M")
filter(health, height > 170 & gender == "M" & age %in% c(18,40))

#Answers to mini quiz
filter(iris, Petal.Length < 1.6)
filter(iris, Sepal.Length > 5 & Sepal.Width > 3)
filter(iris, Petal.Width %in% c(0.2,0.3,1.4) & Species == "virginica")
```