Part A

This part is based on subsetting in R. Please provide responses to the questions below using only materials covered and provided in week 2 slides. Use the file named `quizscores.csv` to answer the following questions. Note: You are not to use loops and if statements

a. Read the `quizscores.csv` file using the `read.csv()` function into a data frame named `mydf`. Assume that the `quizscores.csv` file is in the same folder as the R script.
b. Obtain a data frame named `mydfb` from mydf that contains the data for rows 1 to 20
c. Obtain a data frame named `mydfc` from `mydf` that contains the data for males in section B.
d. Obtain a data frame named `mydfd` from `mydf` that contains the data for females pursuing an MBA degree.
e. Obtain a data frame named `mydfe` from `mydf` that contains all quiz scores (no other columns) for males doing an MS degree.
f. Obtain a data frame named `mydff` from `mydf` that contains only Quiz1 and Quiz3 scores for females in section C pursuing an MBA degree.

Name your file as A02a_Gwid.R. So if your GWID is G19860011 then you should name your submission file as A02a_G19860011.R. Please make sure that you comment your R code.

Part B

This part is based on looping operations and subsetting in R. Please provide responses to the questions below using only materials covered and provided in week 2 slides. Use the file named `quizscores.csv` to answer the following questions. Note: You are not to use loops and if statements

a. Read the `quizscores.csv` file using the `read.csv()` function into a data frame named `mydf`. Assume that the `quizscores.csv` file is in the same folder as the R script.
b. Obtain a matrix named `mymatb` from mydf that contains the data only for Section B for all six quizzes.
c. Obtain a matrix named `mymatc` from mydf that contains the data only for Section C for all six quizzes.
d. Find the average for all six quizzes for both sections B and C
e. Write your own function named myAnalysis() that gives you the mean and standard deviation for all six quizzes for sections B and C. How do the two sections compare in terms of their quiz scores.

Name your file as A02b_Gwid.R. So if your GWID is G19860011 then you should name your submission file as A02b_G19860011.R. Please make sure that you comment your R code.

Part C

This part is based on looping operations and subsetting in R. Please provide responses to the questions below using only materials covered and provided in week 2 slides. Use the file named `quizscores.csv` to answer the following questions. Note: You are not to use loops or if statements

a. Read the `quizscores.csv` file using the `read.csv()` function into a data frame named `mydf`. Assume that the `quizscores.csv` file is in the same folder as the R script.
b. Using the table function to tabulate Degree by Sex. You should end up with a 2x2 table. Use R subsetting commands to answer the following questions. If we pick a student at random, what are the following probabilities:
    a. P(F)
    b. P(M)
    c. P(M and MBA)
    d. P(F and MS)
    e. P(F | MBA)
    f. P(MS | M)
c. What is the average score across all six quizzes for males and females?
d. What is the average score across all six quizzes for the three sections?
e. What is the average score across all six quizzes for MBA and MS students?

Name your file as A02c_Gwid.R. So if your GWID is G19860011 then you should name your submission file as A02c_G19860011.R. Please make sure that you comment your R code.