Use Group Manipulation Functions in the following

1) Consider the student data in the marks.csv file. Read it into an R variable, Attach additional columns in it to keep student wise and subjectwise totals .

2) `Let list1 <- list(observationA = c(1:5, 7:3), observationB=matrix(1:6,nrow=2))`

   a) Using `lapply()`, find the length of `list1`'s observations.
   b) Using `lapply()`, find the sums of `list1`'s observations.
   c) Find the classes of `list1`'s sub-variables, with `lapply()`.
   d) Let a user defined function `f1 <- function(x) { log10(x) + 1 }` Apply f1 to `list1` and obtain the results
   e) Find the unique values in `list1`. (hint: Use function unique)
   f) Find the range of `list1` . (hint: Use function range)

3) Let x<-list(A=matrix(1:9,3),B=1.4,C=matrix(1:10,2),D=21)
   Apply the function mean on x using lapply and sapply