Assignment 1.2

1. Ans is **0 1 1**

2. Code to extract the contents from multiple excels into one df (I've called it "df_merged_files")

```r
install.packages("xlsx")
library(xlsx)

#Merging for XLSX files

#1st step is to list the files in the target folder
setwd("C:/Users/sarang_dani/Desktop/R/Merge2/")
list_of_files <- list.files("C:/Users/sarang_dani/Desktop/R/Merge2/",pattern = "*.xlsx")
list_of_files

#2nd step is to keep binding them through a loop
#If it's the first iteration when the merged file is not yet generated,simply creat the one
for (each_file in list_of_files){
  if (!exists ("df_merged_files")){
    df_merged_files <- read.xlsx(each_file,1)
  }
  #After first iteration when the initial file is available, start merging the remaining ones
  if (exists ("df_merged_files")) {
    get_the_next_file <- read.xlsx(each_file,1)
    df_merged_files <- rbind(df_merged_files,get_the_next_file)
    rm(get_the_next_file)
  }
}
write.xlsx(df_merged_files,"C:/Users/sarang_dani/Desktop/R/Merge2/df_merged_files.xlsx")
```

3. Merging multiple ".CSV" files into one data frame (This time we use "read.csv")

```r
#Merging for CSV files

#1st step is to list the files in the target folder
setwd("C:/Users/sarang_dani/Desktop/R/Merge/")
appended_list_of_files <- list.files("C:/Users/sarang_dani/Desktop/R/Merge/",pattern = "*.csv")
appended_list_of_files

#2nd step is to keep binding them through a loop
#If it's the first iteration when the merged file is not yet generated,simply creat the one
for (each_file in appended_list_of_files){
  if (!exists ("merged_file")){
    merged_file <- read.csv(each_file,header = TRUE,sep = " ")
  }
  #After first iteration when the initial file is available, start merging the remaining ones
  if (exists ("merged_file")) {
    new_file_to_be_appended <- read.csv(each_file,header = TRUE,sep = " ")
    merged_file <- rbind(merged_file,new_file_to_be_appended)
    rm(new_file_to_be_appended)
  }
}
write.csv(merged_file,"C:/Users/sarang_dani/Desktop/R/Merge/merged_file.csv")
```