

SESSION 1-ASSIGNMENT 2

1. What should be the output of the following Script?

```
v <- c( 2,5.5,6)
t <- c(8, 3, 4)
print(v%%/%t)
[1] 0 1 1
```

2. You have 25 excel files with names as xx_1.xlsx, xx_2.xlsx,.....xx_25.xlsx in a dir. Write a program to extract the contents of each excel sheet and make it one df.

```
library(readxl)
file.list <- list.files(pattern='*.xlsx')
df.list <- lapply(file.list, read_excel)
library(data.table)
df <- rbindlist(df.list, idcol = "id")
df.list <- sapply(file.list, read.csv, simplify=FALSE)
using bind_rows from dplyr or rbindlist from data.table, the id column now contains the filenames.
```

3. If the above 25 files were csv files, what would be your script to read?

```
mydata1 = read.csv(path1, header=T)
mydata2 = read.csv(path2, header=T)
.
.
.
mydata25 = read.csv(path25, header=T)
mytempdata = merge(mydata1, mydata2)
mytempdata = merge(mytempdata, mydata3)
.
.
.
mytempdata = merge(mytempdata, mydata25)
multmerge = function(mypath){
  filenames=list.files(path=mypath, full.names=TRUE)
  datalist = lapply(filenames, function(x){read.csv(file=x,header=T)})
  Reduce(function(x,y) {merge(x,y)}, datalist)
```