**Session 1- Assignment 2**

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

**v <- c( 2,5.5,6)**

[1] 2.0 5.5 6.0

**t <- c(8, 3, 4)**

[1] 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)

library(dplyr)

library(data.table)

setwd("D:/Pragati")

file.list <- list.files(pattern='\*.xlsx') # read the files in directory

# data frame by column with column id

df.list <- lapply(file.list, read\_excel)

df1 <- rbindlist(df.list, idcol = "id")

View(df1)

# data frame by column and if we want file name as column id

df.list <- sapply(file.list, read\_excel, simplify = FALSE)

df2 <- rbindlist(df.list, idcol = "id")

View(df2)

# data frame by row with file names

df3 <- rbind.data.frame(df.list , idcol="id")

View(df3)

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

setwd("D:/Pragati")

file.list <- list.files(pattern='\*.csv') # read the files in directory

# data frame by column with column id

df.list <- lapply(file.list, read.csv)

df\_csv <- rbindlist(df.list, idcol = "id")

View(df\_csv)

# data frame by column with coulmn id as file name

df.list<- sapply(file.list, read.csv, simplify = FALSE)

df\_csv2 <- rbindlist(df.list, idcol = "id")

View(df\_csv2)

# data frame by row with file names in column

df\_csv3 <- rbind.data.frame(df.list, idcol = "id")

View(df\_csv3)